

The limecv document class*

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v0.1.8 from 2020/03/15

Contents

1	Introduction	2
2	Requirements	2
3	General Macros and Document Class Options	3
4	Sidebar	3
5	Main Content	6
6	Cover Letter	9
7	Change Style and Layout	10
8	Example	13
9	Implementation	13
9.1	Licence	13
9.2	Intro	16
9.3	Package Info and Required Packages	16
9.4	Colour Definitions	17
9.5	New Column Types	17
9.6	Helper commands	18
9.7	Global Font Colour	18
9.8	TikZ Style Definitions	18
9.9	XeLaTeX/LuaLaTeX Specific Code	21

*This document corresponds to limecv v0.1.8, dated 2020/03/15.

1 Introduction

This document class is designed to facilitate easy development of curriculum vitæ (CV). A set of predefined macros and environments are available for most common sections on a CV. These special elements have been designed to ease quick creation. This document class was co-designed with a business card, which can be found on GitHub: <https://github.com/opieters/business-card>.

The design of this CV is split up in three parts, illustrated by fig. 1. Each of these parts that make up this CV template will be detailed in the sections below.

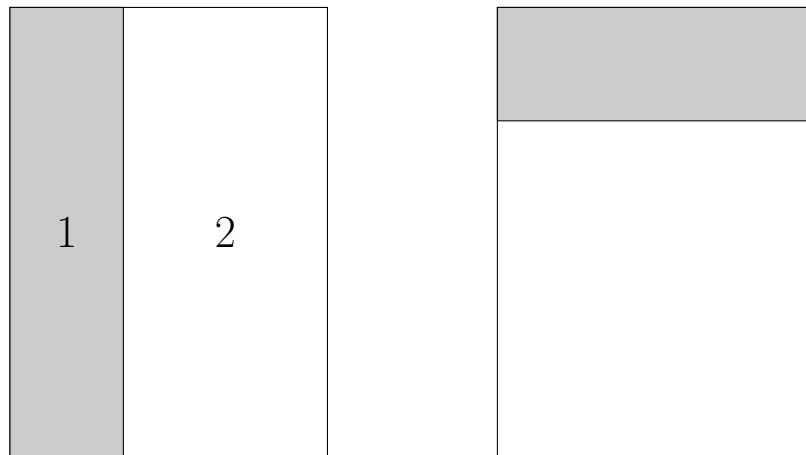


Figure 1: Illustration of a basic template. The image to the left depicts the actual CV: sidebar to the left (1) with main content on the right (2). The image to the right depicts the cover letter design.

2 Requirements

It is advised to use the **XeLaTeX** engine. However, there is also support for **LaTeX** and **LuaLaTeX**. In these cases, fonts might be different than intended and side bearings will not be corrected, since only the XeLaTeX engine has access to these. In the subsequent sections, it will always be assumed that the XeLaTeX compiler is used (unless noted otherwise).

Any font can be used, though by default the **Fira**¹ font is used. This should be installed and accessible by the typesetting system. If another font is desired, it can be overwritten using the `sansfont` document class options and `\cvMainFont` command. The mono spaced font can be changed by means of the `monofont` class option.

FontAwesome5² is the icon font used. This font should also be available and

¹<https://github.com/mozilla/Fira>

²<http://fontawesome.io>

cannot be replaced by another icon font. Most modern TeX distributions ship with this font since they provide the `fontawesome5` package.

3 General Macros and Document Class Options

`\cvSetLanguage` The default language is English and can be modified using the `\cvSetLanguage` macro. Possible arguments are: `chinese`, `dutch`, `english`, `french`, `german`, `italian`. If your language is not supported or you want to override a word in any supported language, you can modify the keys that hold the different section titles. These can be in the source code. The following snippet illustrates how this can be done for French:

```
1 \pgfkeys{/@cv/names/education = Formations}
2 \pgfkeys{/@cv/names/skills = Comp\etences}
```

4 Sidebar

The sidebar should contain personal information such as your name, job title (or industry or similar), contact information, small bio, interests and language skills. Special environments and commands have been defined for each of these sections and will be described below.

Everything that should be inside the sidebar should be placed in the `cvSidebar` environment. This environment is placed on the left side of the page by default. If it should be typeset on the right side, use the starred version (`cvSidebar*`)

The following environments are available inside the sidebar environment: `cvProfile`, `cvContact`, `cvLanguages`, `cvInterests` and `cvProjects`.

`\cvID` This command typesets a picture (in a circle) with name and position underneath it. The argument order is: `\cvID{<first name>}{<last name>}{<picture location>}{<job position>}`. Empty fields are allowed for the third and fourth arguments. No picture and no job position will then be typeset. Example code:

```
1 \cvID{John}{Doe}{profile_picture}{Broker}
```

`cvProfile` This environment contains a brief profile description or biography. No additional arguments are allowed. Example code:

```
1 \begin{cvProfile}
2   A short biography goes here.
3 \end{cvProfile}
```

`cvContact` All the contact information goes here. Inside this environment, the following commands are available:

`\cvContactAddress`

- `\cvContactAddress{<address>}` typesets an address. How this address should be typeset exactly, is left to the user. The use of line breaks (`\`) is allowed;

- `\cvContactEmail`
 - `\cvContactEmail{\langle link \rangle}{\langle email address \rangle}` typesets an email address. The link variable should be a something like `mailto:john@doe.tld`. Clicking on the email address will then automatically open the default email client with this address as recipient. If the link argument is left empty, no link will be created.
- `\cvContactPhone`
 - `\cvContactPhone{\langle mobile phone number \rangle}` typesets a mobile phone number.
- `\cvContactWebsite`
 - `\cvContactWebsite{\langle link \rangle}{\langle website URL \rangle}` typesets a website. The link variable should be a something like `https://johndoe.tld`. Clicking on the website will then automatically open the default web browser. If the link argument is left empty, no action will be performed upon clicking on the website.
- `\cvContactGithub`
 - `\cvContactGithub{\langle link \rangle}{\langle username \rangle}` typesets a GitHub profile. The link variable should be a valid link to the GitHub profile (for example `https://github.com/johndoe`). Clicking on the username will then automatically open the default web browser. If the link argument is left empty, no action will be performed upon clicking on the website.
- `\cvContactGitlab`
 - `\cvContactGitlab{\langle link \rangle}{\langle username \rangle}` typesets a GitLab profile. Same considerations apply as in the `\cvContactGithub` command.
- `\cvContactLinkedin`
 - `\cvContactLinkedin{\langle link \rangle}{\langle username \rangle}` typesets a LinkedIn profile. The link variable should be a link to your LinkedIn profile homepage (for example `https://www.linkedin.com/in/johndoe/`). Clicking on the username will then automatically open the default web browser. If the link argument is left empty, no action will be performed upon clicking on the website.
- `\cvContactTwitter`
 - `\cvContactTwitter{\langle link \rangle}{\langle username \rangle}` typesets a Twitter profile. The link variable should direct to your Twitter profile. An example link looks as follows: `https://twitter.com/johndoe`. Clicking on the username will then automatically open the default web browser. If the link argument is left empty, no action will be performed upon clicking on the website. If the link argument is left empty, no link will be created.
- `\cvContactKeybase`
 - `\cvContactKeybase{\langle link \rangle}{\langle fingerprint \rangle}` typesets a Keybase fingerprint (and account). The link variable should be a link to the KeyBase profile (e.g. `https://keybase.io/johndoe`). Clicking on the fingerprint will then automatically open the default web browser. If the link argument is left empty, no action will be performed upon clicking on the website.

A full example:

```

1 \begin{cvContact}
2   \cvContactAddress{Some Street 78\B-9000 Ghent\Belgium}
3   \cvContactEmail{mailto:john@doe.tld}{john@doe.tld}
4   \cvContactPhone{+1 781 555 1212}

```

```

5 \cvContactWebsite{https://doe.tld}{doe.tld}
6 \cvContactGithub{https://github.com/johndoe}{johndoe}
7 \cvContactLinkedin{https://www.linkedin.com/in/johndoe/}{
  johndoe}
8 \cvContactTwitter{https://twitter.com/johndoe}{@johndoe}
9 \cvContactKeybase{https://keybase.io/johndoe}{\texttt{
  AAAA 5555 BBBB FFFF}}
10 \end{cvContact}

```

If you wish to add contact information that is not available by default, you can extend the command using two internal commands: `\cv@ContactTemplateLink` and `\cv@ContactTemplate`. See the source code for usage instructions.

`cvLanguages` This environment is used to showcase language skills. The `\cvLanguage{<language>}{<skill level>}` should be used inside this environment. The skill level is a real value with a maximum value of 5. If higher values are used, the result will not be typeset properly. An example is included below.

```

1 \begin{cvLanguages}
2 \cvLanguage{English (native)}{5}
3 \cvLanguage{German (B1)}{3}
4 \cvLanguage{Spanish}{3}
5 \end{cvLanguages}

```

`cvInterests` Typeset interests (can be both professional and personal) using `cvInterests`. By default it just typesets a list of items in the long format (`long`). The short format can be activated by passing the `short` option to the environment. Inside this environment, three commands can be used: `\cvInterestsPersonal`, `\cvInterestsProfessional` and `\cvInterest`. `\cvInterestsPersonal` and `\cvInterestsProfessional` add optional sections inside this environment to differentiate between personal and professional interests respectively. Both macros have no options nor arguments. The `\cvInterest{<icon>}{<interest>}` command takes an icon and interest as arguments.

Examples that illustrate the different options are depicted below:

```

1 \begin{cvInterests}
2 \cvInterestsPersonal
3 \cvInterest{\faTrain}{model trains}
4 \cvInterest{\faFlask}{(applied) sciences}
5 \cvInterest{\faSuitcase}{travelling}
6 \cvInterestsProfessional
7 \cvInterest{\faGraduationCap}{machine learning}
8 \cvInterest{\faCogs}{robotics}
9 \end{cvInterests}

1 \begin{cvInterests}[short]
2 \cvInterestsPersonal
3 \cvInterest{\faTrain}{model trains}
4 \cvInterest{\faFlask}{(applied) sciences}

```

```

5   \cvInterest{\faSuitcase}{travelling}
6   \cvInterest{\faCamera}{photography}
7   \cvInterest{\faGamepad}{gaming}
8   \cvInterest{\faMusic}{music}
9   \end{cvInterests}

```

cvProjects If you have interesting (side) projects that are relevant for your CV, you can list them using the `cvProjects` environment. Inside this environment you can use the `\cvProject` macro to list all your projects. The only options currently allowed in `<options>` are an image (using `image`) and a URL (using `link`). This image must be an external file and the user must handle its size through `width` or `height`. Example usage:

```

1 \begin{cvProjects}
2   \cvProject[image=clock,width=1cm]{yanic}{An IoT nixie
   clock.}
3   \cvProject{\texttt{limecv}}{A \LaTeX\ document class for
   curriculum vit\ae.}
4 \end{cvProjects}

```

It is currently not possible to extend the sidebar with additional environments. To add your own, look at the source code and create your own L^AT_EX-style hack.

5 Main Content

The main content section includes details on your education, experience, skills, references and more. Several environments have been designed to suit specific needs. These will be discussed next.

cvMainContent Everything in the main content section should be encapsulated in the `cvMainContent` environment. This environment defines four new environments: `cvEducation`, `cvExperience`, `cvSkills` and `cvReferences`. These four environments are self explanatory in terms of functionality. We will detail each of these environments.

Note that `cvMainContent` also has a starred variant (`cvMainContent*`). The function is similar to `cvSidebar*`, in the sense that it places everything to the left instead of the default right location.

cvEducation The education environment creates a timeline styled list of your education. Individual education items should be listed by means of the `\cvItem{<details>}` macro which is available within this environment. Instead of forcing a specific layout structure, it was preferred to leave the actual mark-up to the end user. *All* information concerning a single education should be passed to this single argument. However, the user is always welcome to create his own styling macro that takes multiple arguments. This is illustrated by the examples below.

Listing 1: `cvEducation` *without* special user mark-up command.

```

1 \begin{cvEducation}
2   \cvItem{Evening class: Chinese}

```

```

3   Some School, City. September 2015 -- June 2016\\
4   Achieved A2 language skill in Chinese (Mandarin).}
5   \cvItem{Bachelor of Science in Biochemistry and
        Biotechnology\\
6   University, City. September 2009 -- June 2012\\
7   General training in the basic sciences and the molecular
        life science.}
8   \cvItem{Master of Science in Biochemistry and
        Biotechnology\\
9   University, City. September 2012 -- June 2015\\
10  Acquisition of insight into and knowledge of
        possibilities for application in
11  the area of biochemistry and biotechnology, specific with
        applications in
12  biomedical application and due problem-solving reasoning
        skills.}
13 \end{cvEducation}

```

Listing 2: cvEducation *with* special user mark-up command.

```

1 % in preamble:
2 \newfontfamily\firaMedium{Fira Sans Medium}
3 \NewDocumentCommand{\cvEducation}{mmm}{\firaMedium #1}\\
        #2\\ \emph{#3}}
4 % in document:
5 \begin{cvEducation}
6   \cvItem{\cvEducation{Evening class: Chinese}}%
7           {Some School, City. September 2015 -- June
            2016}%
8           {Achieved A2 language skill in Chinese (
            Mandarin).}
9   \cvItem{\cvEducation{Bachelor of Science in Biochemistry
            and Biotechnology}}%
10          {University, City. September 2009 -- June 2012}
            %
11          {General training in the basic sciences and the
            molecular life
12          science.}}
13  \cvItem{\cvEducation{Master of Science in Biochemistry
            and Biotechnology}}%
14          {University, City. September 2012 -- June 2015}
            %
15          {Acquisition of insight into and knowledge of
            possibilities for
16          application in the area of biochemistry and
            biotechnology, specific

```

```

17         with applications in biomedical application
18         and due problem-solving
19         reasoning skills.}}
20 \end{cvEducation}

```

`cvExperience` works very similar to `cvEducation`. It follows the exact same structure and has the same design philosophy where you should use `\cvItem` inside this environment to typeset the individual items in a timeline style. Listing 3 illustrates this with an example.

Listing 3: `cvExperience` code example.

```

1 \begin{cvExperience}
2   \cvItem{Student Job}
3     \textsc{\selectfont Company X}, Location X. Summer
4     2010
5     Integer tincidunt dapibus consectetur. Nullam tristique
6     aliquam luctus. Sed
7     ut ante velit. Nulla pharetra maximus lacus at
8     elementum. Suspendisse
9     sodales consectetur metus, sit amet ultricies ipsum
10    ultrices ut.};
11  \cvItem{Internship}
12    \textsc{Company Y}, Location Y. June 2012 -- August
13    2012
14    Lorem ipsum dolor sit amet, consectetur adipiscing elit
15    . Morbi dictum cursus
16    sapien, id eleifend mi pellentesque id. Etiam lobortis
17    eu odio a sodales.
18    Phasellus ut dolor feugiat, lacinia lectus in, blandit
19    metus. Fusce lacinia
20    dolor et metus gravida pulvinar sit amet et ex.};
21  \cvItem{Internship}
22    \textsc{Company Z}, Location Z. August 2014 --
23    September 2014
24    Lorem ipsum dolor sit amet, consectetur adipiscing elit
25    . Morbi dictum cursus
26    sapien, id eleifend mi pellentesque id. Etiam lobortis
27    eu odio a sodales.
28    Phasellus ut dolor feugiat, lacinia lectus in, blandit
29    metus. Fusce lacinia
30    dolor et metus gravida pulvinar sit amet et ex.
31    Suspendisse vestibulum, leo
32    malesuada molestie maximus, sem risus ornare elit,
33    vitae sodales felis
34    elit in ipsum.};
35 \end{cvExperience}

```


`cvSkills` The skills section is contained within the `cvSkills` environment. This environment typesets your skills on a 5-level (discrete) scale. These are divided into two columns. To that end, two macros are available: `cvSkillOne` and `cvSkillTwo`.

`cvSkillTwo` `cvSkillTwo{ <skill level>}{<skill>}{<skill level>}{<skill>}` typesets a row of two skills. If you have an odd number of items, `cvSkillOne{<skill level>}{<skill>}` should be used. An example of a skill-list can be found in listing 4.

Listing 4: Illustration of the `cvSkills` environment.

```

1 \begin{cvSkills}
2   \cvSkillTwo{5}{MATLAB}{5}{\LaTeX}
3   \cvSkillTwo{4}{Python}{4}{VHDL}
4   \cvSkillTwo{4}{Microsoft Office}{4}{macOS}
5   \cvSkillOne{3}{C, C++}
6 \end{cvSkills}

```

`cvReferences` The final section is intended to list all your references. These go inside the `cvReferences` environment. The enumeration of the different items should be done using the `\cvAddReference{ <information>}` macro. The following keys are available: `name`, `company`, `job`, `address line 1`, `address line 2`, `address line 3`, `mobile phone`, `work phone` and `email`. These are all optional arguments and will be typeset consistently between the two references per row. When adding two references, the left one should be specified first using `\cvAddReference*`. This will store the values and typeset them when adding the second reference through `\cvAddReference`. Note that `\cvAddReference` should be used if only one reference needs to be typeset. Listing 5 illustrates the usage of this environment.

Important remark: the comment after the usage of `\cvAddReference` is required! Otherwise, spacing will not be as intended.

Listing 5: `cvReferences` code example.

```

1 \begin{cvReferences}
2   \cvAddReference{%
3     name=Jane Smith,
4     company=Company ABC Co.\ Ltd.,
5     job=Job title,
6     address line 1=Street lane 2,
7     address line 2=B-1150 Brussels,
8     mobile phone=+1 781 555 1212}% <<-- Important!!!
9 \end{cvReferences}

```

6 Cover Letter

A final (optional) part of a CV is the cover letter. This is a fairly simple part to create design wise, but probably the hardest to write in an actual CV.

`cvCoverLetter` The cover letter environment is `cvCoverLetter` and contains all the cover letter

details. It will automatically add a header with your name and position based on the information filled in in `\cvID`.

`\cvBeneficiary` The `\cvBeneficiary{\options}` macro offers a convenience wrapper to typeset the beneficiary. Possible options are `name`, `position`, `company`, `address line 1`, `address line 2` and `address line 3`. The remainder of the cover letter design is up to the user. An example design can be found in listing 6.

`\cvFullName` `\cvFullName` typeset the authors name based on the data provided in `cvID`.

Listing 6: `cvCoverLetter` code example.

```
1 \section{Cover Letter}
2
3 \begin{cvCoverLetter}
4
5 \cvBeneficiary{%
6   name=Jane Smith,
7   position=Position,
8   company=Company,
9   address line 1=Address line 1,
10  address line 2=Address line 2}
11
12 Dear Miss.\ Smith
13
14 \vspace{\baselineskip}
15 \lipsum[1-3]
16 \vspace{\margin}
17
18 \cvFullName
19
20 \end{cvCoverLetter}
```

7 Change Style and Layout

To change the style, one can redefine the colours, lengths and TikZ styles used throughout the document class.

By default the following colours are defined:

- `cvGreen` default dark green colour (hex value: `357F2D`)
- `cvGreenLight` light green colour, for larger shapes and backgrounds (hex value: `B8E4B3`)
- `cvDark` default text colour (hex value: `2F3142`)
- `cvRed` currently not used (hex value: `7F2D35`)
- `cvAccent` lighter grey shade for accented text (hex value: `474A65`)

To change these, use the code from listing 7 in the preamble:

Listing 7: Colour editing.

```
1 \definecolor{cvDark}{HTML}{000000}
```

By overwriting the following styles, one can change the appearance of multiple TikZ nodes. The following styles are available.

- `interesticon`
- `interesttext`
- `eventdottext`
- `invisibletimedot`
- `timedot`
- `eventdot`
- `contactIcon`
- `contactText`
- `headerIcon`
- `skillLevel`
- `languageText`
- `skillText`
- `progressArea`
- `progressBar`
- `sectionTitle`
- `sectionEduText`

Adding your own styles is easy with the code from listing 8.

Listing 8: Change TikZ style.

```
1 \tikzset{
2   interesticon/.style = {},
3 }
```

Spacing used inside the document can also be modified by the user. The following lengths have been defined:

- `\cvColSep` Distance between columns of `cvSkills`. Default value: 1cm.
- `\cvNodeSep` Not used currently. Default value: 0.75cm.

- `\cvTimeDotDiameter` Size of the dots in a timeline. Default value: 3pt.
- `\cvMargin` Margin around the entire page. Default value: 1cm.
- `\cvSideWidth` Width of the sidebar. Default value: $0.3\text{\paperwidth}-\text{\cvMargin}$.
- `\cvMainWidth` Width of the main content section. Default value: $\text{\paperwidth}-4\text{\cvMargin}-\text{\cvSideWidth}$.
- `\cvTimeDotSep` Distance between timeline dot and text. Default value: 0.4cm.
- `\cvStartEndSep` Not used. Default value: 0.3cm.
- `\cvItemSep` Distance between `cvItem` entries. Default value: 0.4cm.
- `\cvTableSepWidth` Distance between two columns of `cvReferences` environment. Default value: 0.3cm.
- `\cvCoverLetterHeight` Height of the coloured bar at the top of the cover letter. Default value: `\cvSideWidth`.
- `\cvCoverLetterWidth` Width of the cover letter text. This can be used to improve the layout. Default value: $\text{\cvMainWidth}+3\text{\cvMargin}$.
- `\cvPictureWidth` Diameter of the profile picture. Default value: 4cm.
- `\cvProgressAreaWidth` Length of a progress bar for the languages section. Default value: 5em.
- `\cvProgressAreaHeight` Height of a progress bar for the languages section. Default value: 0.75em.
- `\cvSectionSep` Distance between sections of the main content section. Default value: 0.6cm.
- `\cvSectionSBSep` Distance between sections of the sidebar section. Default value: 4pt.
- `\cvTitleLineWidth` Line width of horizontal line below section title. Default value: 2pt.
- `\cvTitleLineSpacing` Distance from bottom of the titles of the main content section to the horizontal centre of line. Default value: 0.1cm.
- `\cv@projectSep` Internal length. Automatically set to `\cvItemSep`.
- `\cvProjectDetailsSep` Internal spacing between details of a single project. Default value: 0.2cm.
- `\cvInterestDetailsSep` Distance between items in case the `long` options is used for the `cvInterests` environment. Default value: 4pt.

- `\cvContactItemSep` Distance between items in the `cvContact` environment. Default value: `5pt`.
- `\cvCoverLetterLineWidth` Line width of line below cover letter name. Default value: `3pt`.
- `\cvCoverLetterPositionSpacing` Distance between name and position in the cover letter. Default value: `10pt`.
- `\cvSBSectionLineWidth` Line width of left and right lines next to the titles of in the sidebar. Default value: `1pt`.
- `\cvCoverLetterLineSpacing` Distance between name and line below it in the cover letter. Default value: `0pt`.
- `\cvIDNameSep` Distance between first and last name. Default value: `0.1cm`.
- `\cvPositionSep` Distance before and after the position. Default value: `0.5cm`.
- `\cvSkillSep` Distance between skills. Default value: `1ex`.
- `\cvHeaderIconWidth` Automatically set, currently has no visible effect on document. Default value: `0pt`.

The fonts can also be changed, either by using the `sansfont` and `monofont` class options, or by using the default ways provided by L^AT_EX, XeLaTeX and LuaLaTeX. Note that the `fontspec` package is already loaded by the class, so you can directly use `\setmainfont` in the preamble if you are using the XeLaTeX or LuaLaTeX engine.

8 Example

The source code of a typical CV document can be found in the examples folder. Figures 2 and 3 depict the resulting PDF documents.

9 Implementation

9.1 Licence

limecv.cls

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A (Xe/Lua)LaTeX document class

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John Doe
position

Profil
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus ullamcorper euismod lorem nec eleifend. Suspendisse ac varius quam. Etiam laoreet nunc orci, vestibulum imperdiet enim elementum at. Duis dictum metus sapien, eu blandit quam malesuada et. Ut viverra maximus eros.

Kontakt
Some Street 78
B-9000 Ghent
john@doe.tld
+1 781 555 1212
doe.tld
johndoe
@johndoe
AAAA 5555 BBBB FFFF

Sprachen
English (native) ██████████
German (B2) ██████████
Spanish ██████████

Interessen
— *Persönlich* —
model trains
gaming
travelling
— *Beruflich* —
film
photography

Projekte
Limecv
A LaTeX CV document class.

Ausbildung

- Evening class: Chinese
Some School, City. September 2015 – June 2016
Achieved A2 language skill in Chinese (Mandarin).
- Bachelor of Science in Biochemistry and Biotechnology
University, City. September 2009 – June 2012
General training in the basic sciences and the molecular life science.
- Master of Science in Biochemistry and Biotechnology
University, City. September 2012 – June 2015
Acquisition of insight into and knowledge of possibilities for application in the area of biochemistry and biotechnology, specific with applications in biomedical application and due problem-solving reasoning skills.

Berufliche Erfahrung

- Student Job
COMPANY X, Location X. Summer 2010
Integer tincidunt dapibus consectetur. Nullam tristique aliquam luctus. Sed ut ante velit. Nulla pharetra maximus lacus at elementum. Suspendisse sodales consectetur metus, sit amet ultricies ipsum ultrices ut.
- Internship
COMPANY Y, Location Y. June 2012 – August 2012
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi dictum cursus sapien, id eleifend mi pellentesque id. Etiam lobortis eu odio a sodales. Phasellus ut dolor feugiat, lacinia lectus in, blandit metus. Fusce lacinia dolor et metus gravida pulvinar sit amet et ex.
- Internship
COMPANY Z, Location Z. August 2014 – September 2014
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi dictum cursus sapien, id eleifend mi pellentesque id. Etiam lobortis eu odio a sodales. Phasellus ut dolor feugiat, lacinia lectus in, blandit metus. Fusce lacinia dolor et metus gravida pulvinar sit amet et ex. Suspendisse vestibulum, leo malesuada molestie maximus, sem risus ornare elit, vitae sodales felis elit in ipsum.

Kenntnisse

●●●●● MATLAB	●●●●● LaTeX
●●●●○ Python	●●●●○ VHDL
●●●●○ Microsoft Office	●●●●○ macOS
●●●○ C, C++	●○○○○ Javascript
●●●○ HTML5/CSS	●●●○ Bash

Referenzen

Jane Smith
Company ABC Co. Ltd.
Job title
Street lane 2
B-1150 Brussels
+1 781 555 1212

Figure 2: Example CV (scaled).

John Doe

position

March 15, 2020

JANE SMITH
Company
Position
Address line 1
Address line 2

Dear Miss. Smith

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetur adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor

Figure 3: Example cover letter (scaled). Figure not included.

This work has the LPPL maintenance status ‘maintained’.

The Current Maintainer of this work is Olivier Pieters. Contact the maintainer at: me (at) olivierpieters (dot) be.

9.2 Intro

I have tried to create a logical structure for the source code such that related commands are grouped into a single section. However, this was not always possible.

9.3 Package Info and Required Packages

Before starting the actual implementation, we first load all required packages and set their options.

Process key-value class options using `kvoptions`:

```
1 \RequirePackage{kvoptions}
```

Define and process class options. `print` is an (unimplemented) option that should optimise the layout for printed CVs.

```
2 \DeclareBoolOption[false]{print}
```

Since the package already attempts to load the `fontspec` package, it is no longer possible to define a custom font path. This is again possible using this class option. Other options can also be set this way. However, if multiple arguments are desirable, use `\cvComma` to separate between them, since the class cannot differentiate between its own options and those it need to pass to `fontspec`.

```
3 \newif\ifcv@fontPath
```

```
4 \cv@fontPathfalse
```

```
5 \DeclareStringOption{path}
```

```
6 \AddToKeyvalOption*{path}{\cv@fontPathtrue}
```

By default, Fira fonts are used. This can be modified using `sansfont` and `monofont`.

```
7 \DeclareStringOption[Fira Sans]{sansfont}
```

```
8 \DeclareStringOption[Fira Mono]{monofont}
```

Process the options.

```
9 \ProcessKeyvalOptions*
```

The article document class is used as a base template for this class. Options are automatically passed to the article class via this way.

```
10 \DeclareOption*{%
```

```
11 \PassOptionsToClass{\CurrentOption}{article}%
```

```
12 }
```

```
13 \ProcessOptions\relax
```

```
14 \LoadClass{article}
```

Include required packages. A short description is provided about the function of each package.

Check if XeTeX is used.

```
15 \RequirePackage{ifxetex}
```


Check if LuaTeX is used.

```
16 \RequirePackage{ifluatex}
```

Advanced command definitions.

```
17 \RequirePackage{xparse}
```

Complex length calculations.

```
18 \RequirePackage{calc}
```

Colour options.

```
19 \RequirePackage{xcolor}
```

Advanced table options.

```
20 \RequirePackage{tabularx}
```

Links.

```
21 \RequirePackage{hyperref}
```

```
22 \RequirePackage{url}
```

Remove paragraph indents.

```
23 \RequirePackage{parskip}
```

String operations.

```
24 \RequirePackage{xstring}
```

Key-value parsing within document.

```
25 \RequirePackage{xkeyval}
```

9.4 Colour Definitions

Define the custom colours used in this document.

```
26 \definecolor{cvGreen}{HTML}{357F2D}
```

```
27 \definecolor{cvGreenLight}{HTML}{b8e4b3}
```

```
28 \definecolor{cvRed}{HTML}{7f2d35}
```

```
29 \definecolor{cvDark}{HTML}{2F3142}
```

```
30 \definecolor{cvAccent}{HTML}{474A65}
```

```
31 \definecolor{cvBackground}{HTML}{FFFFFF}
```

9.5 New Column Types

Define new table column types with fixed width.

```
32 \newcolumntype{L}[1]{>{\raggedright\let\newline\\%
```

```
33 \arraybackslash\hspace{0pt}}m{#1}}
```

```
34 \newcolumntype{C}[1]{>{\centering\let\newline\\%
```

```
35 \arraybackslash\hspace{0pt}}m{#1}}
```

```
36 \newcolumntype{R}[1]{>{\raggedleft\let\newline\\%
```

```
37 \arraybackslash\hspace{0pt}}m{#1}}
```

9.6 Helper commands

`\cvComma` escapes the parsing once and can be useful to add a comma to the key of a key-value structure.

```
\cvComma
38 \NewDocumentCommand{\cvComma}{}{,}
```

`\@IfNoValueOrEmptyTF` `\@IfNoValueOrEmptyTF{argument}{if empty}{if not empty}` checks if an argument is empty.

Based on: <http://tex.stackexchange.com/questions/63223>.

```
39 \ExplSyntaxOn
40 \DeclareExpandableDocumentCommand{\@IfNoValueOrEmptyTF}{%
41   {mmm}{\IfNoValueTF{#1}{#2}{
42     \tl_if_empty:nTF {#1} {#2} {#3}%
43   }
44 }
45 \ExplSyntaxOff
```

`\ifnodedefined` Checks if node is defined.

Based on: <https://tex.stackexchange.com/questions/37709>

```
46 \long\def\ifnodedefined#1#2#3{%
47   \@ifundefined{pgf@sh@ns@#1}{#3}{#2}%
48 }
```

9.7 Global Font Colour

`\globalcolor` Update global font colour.

```
49 \NewDocumentCommand{\globalcolor}{m}{%
50   \color{#1}\global\let\default@color\current@color
51 }
```

Automatically set font colour.

```
52 \AtBeginDocument{\globalcolor{cvDark}}
```

9.8 TikZ Style Definitions

TikZ is a very important package and forms the main reason this CV can have the look that it does now.

```
53 \RequirePackage{tikz}
```

Needed to load the cover letter image in the sidebar.

```
54 \RequirePackage{graphicx}
```

A lot of additional TikZ libraries are also needed:

```
55 \usetikzlibrary{%
56   calc,
57   positioning,
58   fit,
59   arrows.meta,
60   backgrounds,
61   matrix}
```

Define all TikZ styles that are used throughout this document. All styles come in pairs: one that the user can overwrite and one that is internally defined and results into the default behaviour. Userdefined behaviour is always included last, such that it can overwrite the default behaviour.

```
62 \tikzset{
63   interesticon/.style = {},
64   interesttext/.style = {},
65   eventdottext/.style = {},
66   invisibletimedot/.style = {},
67   timedot/.style = {},
68   contactIcon/.style={},
69   contactText/.style={},
70   headerIcon/.style={},
71   skillLevel/.style={},
72   languageText/.style={},
73   skillText/.style={},
74   progressArea/.style={},
75   progressBar/.style={},
76   sectionTitle/.style={},
77   sectionEduText/.style={%
78   },
79   cv@interesticon/.style = {%
80     minimum width=\cvHeaderIconWidth,
81     interesticon
82   },
83   cv@interesttext/.style = {%
84     interesttext,
85   },
86   cv@eventdottext/.style = {%
87     text width=\cvMainWidth-\cvTimeDotSep,
88     black,
89     anchor=north west,
90     eventdottext,
91   },
92   cv@invisibletimedot/.style = {%
93     circle,
94     minimum width=\cvTimeDotDiameter,
95     anchor=center,
96     invisibletimedot,
97   },
```

```

98 cv@timedot/.style = {%
99     cv@invisibletimedot,
100     draw,
101     fill,
102     black,
103     timedot,
104 },
105 cv@contactIcon/.style={%
106     minimum height=\baselineskip,
107     contactIcon,
108 },
109 cv@contactText/.style={%
110     minimum height=\baselineskip,
111     text depth=0pt,
112     contactText,
113 },
114 cv@headerIcon/.style={%
115     minimum width=\cvHeaderIconWidth,
116     anchor=center,
117     headerIcon,
118 },
119 cv@skillLevel/.style={skillLevel,},
120 cv@languageText/.style={languageText,},
121 cv@skillText/.style={skillText,},
122 cv@progressArea/.style={%
123     minimum width=\cvProgressAreaWidth,
124     minimum height=\cvProgressAreaHeight,
125     rectangle,
126     draw=cvBackground,
127     cvGreen,
128     progressArea
129 },
130 cv@progressBar/.style={%
131     minimum height=\cvProgressAreaHeight,
132     rectangle,
133     draw,
134     fill,
135     cvGreen,
136     anchor=west,
137     progressBar
138 },
139 cv@sectionTitle/.style={%
140     anchor=north west,
141     align=left,
142     sectionTitle,
143 },
144 cv@sectionEduText/.style={%
145     cv@eventdottext,
146     anchor=north west,
147     sectionEduText,

```

```

148 },
149 }

```

9.9 XeLaTeX/LuaLaTeX Specific Code

The initial design features the Fira font and thus requires the `fontspec` package. However, if the `pdflatex` compiler is used, it should still compile. This is done in this part of the code. If needed, the relevant packages are loaded and the options are set.

```
\cv@loadFonts
```

```

150 \NewDocumentCommand{\cv@loadFonts}{}{
151   \RequirePackage{fontspec}
152   \RequirePackage{fontawesome5}

```

Load the fonts. By default Fira will be loaded, but this can be overwritten by the user.

```

153   \setmainfont[Numbers={Monospaced}]{\limecv@sansfont}
154   \setsansfont{\limecv@sansfont}
155   \setmonofont{\limecv@monofont}

```

Sometimes fonts are not located in their default location, if this option is passed, additional paths will be traversed.

```

156   \ifcv@fontPath
157     \newfontfamily{\cv@FA}[Path=\limecv@path]%
158     {Font Awesome 5 Free}
159   \else
160     \newfontfamily{\cv@FA}{Font Awesome 5 Free}
161   \fi

```

The `fontawesome5` package does not feature all of the latest icons available, so we define some of the manually since they are relevant for this CV.

```
\faAddressCard
```

```

162 \ProvideDocumentCommand{\faAddressCard}{}{\cv@FA%
163   \symbol{"F2B9}}

```

```
\faVcard
```

```

164 \ProvideDocumentCommand{\faVcard}{}{\cv@FA%
165   \symbol{"F2BB}}

```

```
\faMicrochip
```

```

166 \ProvideDocumentCommand{\faMicrochip}{}{\cv@FA%
167   \symbol{"F2DB}}

```

In the future, the `fontawesome5` dependency can be dropped if a manually coded icon is included, such as those defined in `modernevcv`. Example: <https://raw.githubusercontent.com/xdanaux/modernevcv/%master/modernevcviconsmarvosym.sty>

```

168 }

```

Execute the above defined command if relevant. In the case of `pdflatex`, the default font is set to a sans serif font.

```

169 \ifxetex
170   \cv@loadFonts
171 \else
172   \ifluatex
173     \cv@loadFonts
174   \else
175     \RequirePackage{fontawesome5}
176     \RenewDocumentCommand{\familydefault}{-}{\sfdefault}
177   \fi
178 \fi

```

If the XeLaTeX compiler is used and the font is compatible, it is possible to remove the side bearing of certain characters. This is advantageous for alignment of certain characters. However, in the case a non-compatible compiler is used, these commands do not perform anything.

The code below is based on: <https://tex.stackexchange.com/questions/274479> and <https://tex.stackexchange.com/questions/34563>

```

179 \ifxetex

```

```
\kright
```

```

180   \NewDocumentCommand{\kright}{m}{\leavevmode #1%
181     \kern-\XeTeXglyphbounds3 \the\XeTeXcharglyph`#1 }
182 % \end{macro}
183 % \begin{macro}{\kleft}
184 %   \begin{macrocode}
185   \NewDocumentCommand{\kleft}{m}{\leavevmode %
186     \kern-\XeTeXglyphbounds1 \the\XeTeXcharglyph`#1 #1}
187 \else

```

```
\kright
```

```

188   \NewDocumentCommand{\kright}{m}{#1}

```

```
\kleft
```

```

189   \NewDocumentCommand{\kleft}{m}{#1}

```

```

190 \fi

```

Extracts n-th character from a string Argument order: string - character number

```

191 \ExplSyntaxOn
192 \cs_generate_variant:Nn\l_item:nn {f}

```

```
\extract
```

```

193 \DeclareExpandableDocumentCommand{\extract}{mm}{%
194   \l_item:fn{#1}{#2}%
195 }

```

```

196 \ExplSyntaxOff
    Page layout
    remove page numbers
197 %% \pagenumbering{gobble}
    remove all page styling
198 \pagestyle{empty}
    not used
199 \newlength\cvColSep
200 \setlength\cvColSep{1cm} % 2 times column separation!
    not used
201 \newlength\cvNodeSep
202 \setlength\cvNodeSep{0.75cm}
203 \newlength\cvTimeDotDiameter
204 \setlength\cvTimeDotDiameter{3pt}
205 \newlength\cvMargin
206 \setlength\cvMargin{1cm}
207 \newlength\cvSideWidth
208 \setlength\cvSideWidth{0.3\paperwidth-\cvMargin}
209 \newlength\cvMainWidth
210 \setlength\cvMainWidth{\paperwidth-4\cvMargin-\cvSideWidth}
211 \newlength\cvTimeDotSep
212 \setlength\cvTimeDotSep{0.4cm}
213 \newlength\cvStartEndSep
214 \setlength\cvStartEndSep{0.3cm}
215 \newlength\cvItemSep
216 \setlength\cvItemSep{0.4cm}
217 \newlength\cvTableSepWidth
218 \setlength\cvTableSepWidth{0.3cm}
219 \newlength\cvCoverLetterHeight
220 \setlength\cvCoverLetterHeight{\cvSideWidth}
221 \newlength\cvCoverLetterWidth
222 \setlength\cvCoverLetterWidth{\cvMainWidth+3\cvMargin}
223 \newlength\cvPictureWidth
224 \setlength\cvPictureWidth{4cm}

    progress area size definition
225 \newlength\cvProgressAreaWidth
226 \setlength\cvProgressAreaWidth{5em}
227 \newlength\cvProgressAreaHeight
228 \setlength\cvProgressAreaHeight{0.75em}
229 \newlength\cvSectionSep
230 \setlength\cvSectionSep{0.6cm}
231 \newlength\cvSectionSBSep
232 \setlength\cvSectionSBSep{4pt}

    line width of horizontal line below section title
233 \newlength\cvTitleLineWidth
234 \setlength\cvTitleLineWidth{2pt}

```

```

distance from bottom of text to centre of line
235 \newlength\cvTitleLineSpacing
236 \setlength\cvTitleLineSpacing{0.1cm}
    set to \cvItemSep by default (do not overwrite!)
237 \newlength\cv@projectSep
238 \setlength\cv@projectSep{0cm}
    internal spacing between details of a single project
239 \newlength\cvProjectDetailsSep
240 \setlength\cvProjectDetailsSep{0.2cm}
241 \newlength\cvInterestDetailsSep
242 \setlength\cvInterestDetailsSep{4pt}
243 \newlength\cvContactItemSep
244 \setlength\cvContactItemSep{5pt}
    line width of line below cover letter name
245 \newlength\cvCoverLetterLineWidth
246 \setlength\cvCoverLetterLineWidth{3pt}
247 \newlength\cvCoverLetterPositionSpacing
248 \setlength\cvCoverLetterPositionSpacing{10pt}
249 \newlength\cvSBSectionLineWidth
250 \setlength\cvSBSectionLineWidth{1pt}
251 \newlength\cvCoverLetterLineSpacing
252 \setlength\cvCoverLetterLineSpacing{0pt}
253 \newlength\cvIDNameSep
254 \setlength\cvIDNameSep{0.1cm}
255 \newlength\cvPositionSep
256 \setlength\cvPositionSep{0.5cm}
257 \newlength\cvSkillSep
258 \setlength\cvSkillSep{1ex}
259 \newlength\cvHeaderIconWidth
260 \setlength\cvHeaderIconWidth{10pt}

```

```

New styling commands
Style main section title
261 \NewDocumentCommand{\cvSection}{m}{\Large\textbf{#1}}

Typeset skill level
262 \newcount\my@repeat@count
263 \NewDocumentCommand{\cvSkill}{m}{%
264   \begingroup
265   \my@repeat@count=\z@
266   \@whilenum\my@repeat@count<#1\do{\faCircle[solid]\advance%
267     \my@repeat@count\@ne}%
268   \my@repeat@count=\numexpr5-\z@\relax
269   \@whilenum\my@repeat@count>#1\do{\faCircle[regular]\advance%
270     \my@repeat@count\m@ne}%
271   \endgroup
272 }

```


Create horizontal line from edge to edge for sidebar section titles.

Based on: <https://tex.stackexchange.com/questions/65731> Alternative: <https://tex.stackexchange.com>

```
273 \NewDocumentCommand{\cvhrulefill}{-}{\color{cvGreen}%
274 \leavevmode\leaders\hrule height \cvSBSSectionLineWidth\hfill\kern\z@}}
275 \NewDocumentCommand{\ruleline}{m}{\par\noindent\raisebox{.6ex}{%
276 \makebox[\linewidth]{\cvhrulefill\hspace{1ex}}%
277 \raisebox{-.6ex}{#1}\hspace{1ex}\cvhrulefill}}

Title counters
278 \newcounter{cv@titlePrev}
279 \setcounter{cv@titlePrev}{0}
280 \newcounter{cv@titleNext}
281 \setcounter{cv@titleNext}{1}

Draw everything associated with main section title.
282 \NewDocumentCommand{\cv@Title}{mm}{%
283 \ifnodedefined{cv@last item \the\value{cv@lastItem}}{%
284 \setlength{cvHeaderIconWidth}{cvHeaderIconWidth}{%
285 %\maxof{cvHeaderIconWidth}{\widthof{\Large #2}}}%

286 \protected@write\@auxout{}{\global\cvHeaderIconWidth=\the\cvHeaderIconWidth}
287 \node[%
288 below=\cvSectionSep of cv@last item %
289 \the\value{cv@lastItem}.south west,
290 cv@sectionTitle]
291 (cv@title \the\value{cv@titleNext})
292 {\begin{group}\edef\y{\end{group}%
293 \cvSection\bggroup\noexpand\kleft{%
294 \extract{#1}{1}}}%
295 \y\StrGobbleLeft{#1}{1}\egroup};
296 \node[%
297 left=\cvTimeDotSep of cv@title \the\value{cv@titleNext},
298 cv@headerIcon]
299 {#2};
300 \node[
301 below=\cvSectionSep of cv@last item %
302 \the\value{cv@lastItem}.south west,
303 cv@sectionTitle]
304 (cv@title \the\value{cv@titleNext} dummy) {%
305 \phantom{\cvSection{Education}}};
306 \begin{scope}[on background layer]
307 \draw[line width=\cvTitleLineWidth,cvGreen]
308 let \p1=(cv@title \the\value{cv@titleNext} %
309 dummy.south west),
310 \p2=(current page.east) in
311 (\x1,\y1-\cvTitleLineSpacing) to (\x2,\y1-\cvTitleLineSpacing);
312 \end{scope}
313 }{%
314 \node[cv@sectionTitle] at (0,0) (cv@title %
315 \the\value{cv@titleNext})
316 {\begin{group}\edef\y{\end{group}%
```

```

317 \cvSection\bgroup\noexpand\kleft{\extract{#1}{1}}}%
318 \y\StrGobbleLeft{#1}{1}\egroup};
319 \node[%
320 left=\cvTimeDotSep of cv@title \the\value{cv@titleNext},
321 cv@headerIcon]
322 {#2};
323 \node[cv@sectionTitle] at (0,0)
324 (cv@title \the\value{cv@titleNext} dummy) {%
325 \phantom{\cvSection{Education}}};
326 \begin{scope}[on background layer]
327 \draw[line width=\cvTitleLineWidth,cvGreen]
328 let \p1=(cv@title \the\value{cv@titleNext} %
329 dummy.south west),
330 \p2=(current page.east) in
331 (\x1,\y1-\cvTitleLineSpacing) to (\x2,\y1-\cvTitleLineSpacing);
332 \end{scope}
333 }%
334 \stepcounter{cv@titlePrev}%
335 \stepcounter{cv@titleNext}
336 }

```

Draw the timeline

```

337 \NewDocumentCommand{\cv@EndSectionDraw}{-}{
338 \draw (start) to (end.center);}

```

Item counters

```

339 \newcounter{cv@itemPrev}
340 \setcounter{cv@itemPrev}{0}
341 \newcounter{cv@itemNext}
342 \setcounter{cv@itemNext}{1}
343 \newcounter{cv@lastItem}
344 \setcounter{cv@lastItem}{1}

```

List a timeline entry

```

345 \NewDocumentCommand{\cv@definecvItem}{-}{
346 \NewDocumentCommand{\cvItem}{m}{%
347 \ifnodedefined{item \the\value{cv@itemPrev}}{%
348 \node[%
349 below=\cvItemSep of item %
350 \the\value{cv@itemPrev}.south west,
351 cv@eventdottext]
352 (item \the\value{cv@itemNext} header)
353 {\phantom{Evening}};
354 \node[%
355 below=\cvItemSep of item %
356 \the\value{cv@itemPrev}.south west,
357 cv@sectionEduText]
358 (item \the\value{cv@itemNext})
359 {##1};
360 \node[%
361 left=\cvTimeDotSep of item %

```

```

362         \the\value{cv@itemNext} header,
363         cv@timedot]
364     };
365 }{
366     \node[%
367         below=\cvItemSep of cv@title %
368         \the\value{cv@titlePrev}.south west,
369         cv@eventdottext]
370     (item \the\value{cv@itemNext} header)
371     {\phantom{Evening}};
372     \node[
373         below=\cvItemSep of cv@title %
374         \the\value{cv@titlePrev}.south west,
375         cv@sectionEduText]
376     (item \the\value{cv@itemNext})
377     {##1};
378     \node[
379         left=\cvTimeDotSep of item %
380         \the\value{cv@itemNext} header,
381         cv@timedot]
382     (start)
383     {};
384     }
385     \node[
386         left=\cvTimeDotSep of item %
387         \the\value{cv@itemNext}.south west,
388         cv@invisibletimedot]
389     (end)
390     {};
391     \stepcounter{cv@itemPrev}
392     \stepcounter{cv@itemNext}
393 }
394 }

----- Language
395 \pgfkeys{/@cv/names/.is family,
396         /@cv/names/.unknown/.style = %
397         {\pgfkeyscurrentpath/\pgfkeyscurrentname/%
398         .initial = #1}}

Set all title names to English (default):
399 \NewDocumentCommand{\cv@setEnglish}{}{
400     \pgfkeys{/@cv/names/profile = Profile}%
401     \pgfkeys{/@cv/names/contact = Contact}%
402     \pgfkeys{/@cv/names/languages = Languages}%
403     \pgfkeys{/@cv/names/interests = Interests}%
404     \pgfkeys{/@cv/names/professional = Professional}%
405     \pgfkeys{/@cv/names/personal = Personal}%
406     \pgfkeys{/@cv/names/projects = Projects}%
407     \pgfkeys{/@cv/names/education = Education}%
408     \pgfkeys{/@cv/names/experience = Experience}%

```

```

409 \pgfkeys{/@cv/names/references = References}%
410 \pgfkeys{/@cv/names/skills = Skills}%
411 \pgfkeys{/@cv/names/publications = Publications}%
412 }

```

Set all title names to Dutch:

```

413 \NewDocumentCommand{\cv@setDutch}{-}{
414 \pgfkeys{/@cv/names/profile = Profiel}%
415 \pgfkeys{/@cv/names/contact = Gegevens}%
416 \pgfkeys{/@cv/names/languages = Talenkennis}%
417 \pgfkeys{/@cv/names/interests = Interesses}%
418 \pgfkeys{/@cv/names/professional = Professioneel}%
419 \pgfkeys{/@cv/names/personal = Persoonlijk}%
420 \pgfkeys{/@cv/names/projects = Projecten}%
421 \pgfkeys{/@cv/names/education = Opleiding}%
422 \pgfkeys{/@cv/names/experience = Werkervaring}%
423 \pgfkeys{/@cv/names/references = Referenties}%
424 \pgfkeys{/@cv/names/skills = Vaardigheden}%
425 \pgfkeys{/@cv/names/publications = Publicaties}%
426 }

```

Set all title names to Chinese (Mandarin):

```

427 \NewDocumentCommand{\cv@setChinese}{-}{
428 \pgfkeys{/@cv/names/profile = 关于我}%
429 \pgfkeys{/@cv/names/contact = 联系我}%
430 \pgfkeys{/@cv/names/languages = 语言能力}%
431 \pgfkeys{/@cv/names/interests = 兴趣爱好}%
432 \pgfkeys{/@cv/names/professional = Professional}%
433 \pgfkeys{/@cv/names/personal = Personal}%
434 \pgfkeys{/@cv/names/projects = 我的项目}%
435 \pgfkeys{/@cv/names/education = 教育背景}%
436 \pgfkeys{/@cv/names/experience = 工作经验}%
437 \pgfkeys{/@cv/names/references = References}%
438 \pgfkeys{/@cv/names/skills = IT 技能}%
439 \pgfkeys{/@cv/names/publications = 出版作品}%
440 }

```

Set all title names to French:

```

441 \NewDocumentCommand{\cv@setFrench}{-}{
442 \pgfkeys{/@cv/names/profile = Profil}%
443 \pgfkeys{/@cv/names/contact = Contact}%
444 \pgfkeys{/@cv/names/languages = Langues}%
445 \pgfkeys{/@cv/names/interests = Centres d'int\{e}r\^{e}t}%
446 \pgfkeys{/@cv/names/professional = Professionel}%
447 \pgfkeys{/@cv/names/personal = Personnel}%
448 \pgfkeys{/@cv/names/projects = Projets}%
449 \pgfkeys{/@cv/names/education = Education}%
450 \pgfkeys{/@cv/names/experience = Exp\{e}riences}%
451 \pgfkeys{/@cv/names/references = R\{e}f\{e}rences}%
452 \pgfkeys{/@cv/names/skills = Comp\{e}tences}%
453 }

```

Set all title names to German:

```
454 \NewDocumentCommand{\cv@setGerman}{}{
455   \pgfkeys{/@cv/names/profile = Profil}%
456   \pgfkeys{/@cv/names/contact = Kontakt}%
457   \pgfkeys{/@cv/names/languages = Sprachen}%
458   \pgfkeys{/@cv/names/interests = Interessen}%
459   \pgfkeys{/@cv/names/professional = Beruflich}%
460   \pgfkeys{/@cv/names/personal = Persönlich}%
461   \pgfkeys{/@cv/names/projects = Projekte}%
462   \pgfkeys{/@cv/names/education = Ausbildung}%
463   \pgfkeys{/@cv/names/experience = Berufliche Erfahrung}%
464   \pgfkeys{/@cv/names/references = Referenzen}%
465   \pgfkeys{/@cv/names/skills = Kenntnisse}%
466   \pgfkeys{/@cv/names/publications = Veröffentlichungen}%
467 }
```

Set all title names to Italian:

```
468 \NewDocumentCommand{\cv@setItalian}{}{
469   \pgfkeys{/@cv/names/profile = Profilo}%
470   \pgfkeys{/@cv/names/contact = Contatti}%
471   \pgfkeys{/@cv/names/languages = Lingue}%
472   \pgfkeys{/@cv/names/interests = Interessi}%
473   \pgfkeys{/@cv/names/professional = Professionali}%
474   \pgfkeys{/@cv/names/personal = Personali}%
475   \pgfkeys{/@cv/names/projects = Progetti}%
476   \pgfkeys{/@cv/names/education = Formazione}%
477   \pgfkeys{/@cv/names/experience = Esperienze lavorative}%
478   \pgfkeys{/@cv/names/references = Referenze}%
479   \pgfkeys{/@cv/names/skills = Competenze}%
480   \pgfkeys{/@cv/names/publications = Pubblicazioni}%
481 }
```

Set the actual language to English. This can be overwritten by the user in the preamble

Define the command to change the language

```
482 \ExplSyntaxOn
483 \NewDocumentCommand{\cvSetLanguage}{m}{
484   \str_case:nnF {#1}
485   {
486     {dutch} {\cv@setDutch}
487     {english} {\cv@setEnglish}
488     {french} {\cv@setFrench}
489     {german} {\cv@setGerman}
490     {italian} {\cv@setItalian}
491     {chinese} {%
492       \usepackage[BoldFont,SlantFont]{xeCJK}%
493       \cv@setChinese%
494     }
495   }
496   {\ClassError{limecv}{Unknown option `#1' for cvLanguage %
```

```

497     macro.}{Only `english', `chinese`, `dutch`, `french`, `german` %
498     and `italian` are valid options for this macro.}}
499 }
500 \ExplSyntaxOff
501 \cvSetLanguage{english}
502 % \cvSetLanguage{english}

```

Commands specific for cvSkills section
information in temporary command yes/no

```

503 \newif\ifcv@firstskill
    temporary command that stores skill information
504 \NewDocumentCommand{\cv@skillsTable}{}{}
    typeset two skills
505 \NewDocumentCommand{\cvSkillTwo}{mmm}{%
506   \ifcv@firstskill
507     \g@addto@macro\cv@skillsTable{\cvSkill{#1} %
508       & #2 & \cvSkill{#3} & #4}
509     \cv@firstskillfalse
510   \else
511     \g@addto@macro\cv@skillsTable{\[\cvSkillSep] \cvSkill{#1} %
512       & #2 & \cvSkill{#3} & #4}
513   \fi
514 }
    typeset one skill
515 \NewDocumentCommand{\cvSkillOne}{mm}{%
516   \ifcv@firstskill
517     \g@addto@macro\cv@skillsTable{\cvSkill{#1} & #2}
518     \cv@firstskillfalse
519   \else
520     \g@addto@macro\cv@skillsTable{\[\cvSkillSep] \cvSkill{#1} & #2}
521   \fi
522 }

```

cvMainContent environments

```

523 \NewDocumentEnvironment{cvMainContent}{}{%
524   \begin{tikzpicture}[%
525     every node/.style={%
526       inner sep=0pt,
527       outer sep=0pt},
528     remember picture,
529     overlay,
530     shift={($(\current page.north west)+%
531       (\cvSideWidth+3\cvMargin+\cvTimeDotSep,-\cvMargin)$)}]
532 }{%
533   \end{tikzpicture}
534 }

```

```

535 \NewDocumentEnvironment{cvMainContent*}{}{}{
536   \stepcounter{titlePrev}
537   \stepcounter{titleNext}
538   \begin{tikzpicture}[
539     every node/.style={
540       inner sep=0pt,
541       outer sep=0pt},
542     remember picture,
543     overlay,
544     shift={($(\current page.north west)+
545       (\cvMargin+\cvTimeDotSep,-\cvMargin)$)}]
546 }{}
547   \end{tikzpicture}%
548 }

```

cvEducation environment

```

549 \NewDocumentEnvironment{cvEducation}{}{}{
550   \cv@Title{\pgfkeysvalueof{/@cv/names/education}}{\faGraduationCap}
551   insures uniqueness
552   \stepcounter{cv@itemPrev}
553   \stepcounter{cv@itemNext}
554   \cv@definecvItem
555 }{}
556   \cv@EndSectionDraw
557   \stepcounter{cv@lastItem}
558   \draw (item \the\value{cv@itemPrev}.south west)
559     node (cv@last item \the\value{cv@lastItem}) {};

```

cvExperience environment

```

560 \NewDocumentEnvironment{cvExperience}{}{}{
561   \cv@Title{\pgfkeysvalueof{/@cv/names/experience}}{\faBriefcase}
562   insures uniqueness
563   \stepcounter{cv@itemPrev}
564   \stepcounter{cv@itemNext}
565   \cv@definecvItem
566 }{}
567   \cv@EndSectionDraw
568   \stepcounter{cv@lastItem}
569   \draw (item \the\value{cv@itemPrev}.south west)
570     node (cv@last item \the\value{cv@lastItem}) {};

```

cvSkills environment

```

571 \NewDocumentEnvironment{cvSkills}{}{}{

```

```

572 \cv@Title{\pgfkeysvalueof{/@cv/names/skills}}{\faStar}
573 \global\cv@firstskilltrue
574 }{%
575 \node[
576   below=\cvSectionSep of cv@title \the\value{cv@titlePrev}%
577   .south west,
578   anchor=north west] (skills) %
579   {\begin{tabular}{@{}l@{\hskip\cvColSep}l@{}}%
580     \cv@skillsTable
581   \end{tabular}};
582 \stepcounter{cv@lastItem}
583 \draw (skills.south west) node %
584   (cv@last item \the\value{cv@lastItem}) {};
585 }

```

cvPublications environment

```

586 \NewDocumentEnvironment{cvPublications}{}{%
587 \cv@Title{\pgfkeysvalueof{/@cv/names/publications}}{\faNewspaper}

```

insures uniqueness

```

588 \stepcounter{cv@itemPrev}
589 \stepcounter{cv@itemNext}
590 \cv@definecvItem
591 }{%
592 \cv@EndSectionDraw
593 \stepcounter{cv@lastItem}
594 \draw (item \the\value{cv@itemPrev}.south west)
595   node (cv@last item \the\value{cv@lastItem}) {};
596 }

```

cvReferences environment

```

597 \NewDocumentEnvironment{cvReferences}{}{%
598 \cv@Title{\pgfkeysvalueof{/@cv/names/references}}{\faLink}
599 \node[
600   below=\cvSectionSep of cv@title \the\value{cv@titlePrev}.%
601   south west,
602   anchor=north west,
603   ] (cv@References) \bgroup %
604 }{%
605 \egroup;
606 \stepcounter{cv@lastItem}
607 \draw (cv@References.south west) node %
608   (cv@last item \the\value{cv@lastItem}) {};
609 }

```

Key-value parsing structure

```

610 \pgfkeys{/@cv/references/.is family,
611           /@cv/references/.unknown/.style = %

```



```

612         {\pgfkeyscurrentpath/\pgfkeyscurrentname/%
613         .initial = #1}}
614 \newif\ifcv@refName
615 \pgfkeys{/@cv/references/name/.is if=cv@refName}
616 \pgfkeys{/@cv/references/name=false}
617 \newif\ifcv@refPosition
618 \pgfkeys{/@cv/references/position/.is if=cv@refPosition}
619 \pgfkeys{/@cv/references/position=false}
620 \newif\ifcv@refCompany
621 \pgfkeys{/@cv/references/company/.is if=cv@refCompany}
622 \pgfkeys{/@cv/references/copmany=false}
623 \newif\ifcv@refAddressLineA
624 \pgfkeys{/@cv/references/address line 1/.is if=%
625   cv@refAddressLineA}
626 \pgfkeys{/@cv/references/address line 1=false}
627   \newif\ifcv@refAddressLineB
628 \pgfkeys{/@cv/references/address line 2/.is if=%
629   cv@refAddressLineB}
630 \pgfkeys{/@cv/references/address line 2=false}
631 \newif\ifcv@refAddressLineC
632 \pgfkeys{/@cv/references/address line 3/.is if=%
633   cv@refAddressLineC}
634 \pgfkeys{/@cv/references/address line 3=false}
635 \newif\ifcv@refWorkPhone
636 \pgfkeys{/@cv/references/work phone/.is if=%
637   cv@refWorkPhone}
638 \pgfkeys{/@cv/references/work phone=false}
639 \newif\ifcv@refMobilePhone
640 \pgfkeys{/@cv/references/mobile phone/.is if=%
641   cv@refMobilePhone}
642 \pgfkeys{/@cv/references/mobile phone=false}
643 \newif\ifcv@refStored
644 \pgfkeys{/@cv/references/value stored/.is if=%
645   cv@refStored}
646 \pgfkeys{/@cv/references/value stored=false}

keys

647 \define@key{cvAddReferenceA}{name}{%
648   \global\def\cv@refAName{#1}%
649   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/name = true}}}

650 \define@key{cvAddReferenceA}{company}{%
651   \global\def\cv@refACompany{#1}%
652   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/company = true}}}

653 \define@key{cvAddReferenceA}{position}{%
654   \global\def\cv@refAPosition{#1}%
655   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/position = true}}}

656 \define@key{cvAddReferenceA}{address line 1}{%
657   \global\def\cv@refAAddressLineA{#1}%
658   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/address line 1 = true}}}

```

```

659 \define@key{cvAddReferenceA}{address line 2}{%
660   \global\def\cv@refAAddressLineB{#1}%
661   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/address line 2 = true}}}

662 \define@key{cvAddReferenceA}{address line 3}{%
663   \global\def\cv@refAAddressLineC{#1}%
664   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/address line 3 = true}}}

665 \define@key{cvAddReferenceA}{phone work}{%
666   \global\def\cv@refAPhoneWork{#1}%
667   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/phone work = true}}}

668 \define@key{cvAddReferenceA}{mobile phone}{%
669   \global\def\cv@refAMobilePhone{#1}%
670   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/mobile phone = true}}}

671 \define@key{cvAddReferenceB}{name}{%
672   \global\def\cv@refBName{#1}%
673   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/name = true}}}

674 \define@key{cvAddReferenceB}{company}{%
675   \global\def\cv@refBCompany{#1}%
676   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/company = true}}}

677 \define@key{cvAddReferenceB}{position}{%
678   \global\def\cv@refBPosition{#1}%
679   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/position = true}}}

680 \define@key{cvAddReferenceB}{address line 1}{%
681   \global\def\cv@refBAddressLineA{#1}%
682   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/address line 1 = true}}}

683 \define@key{cvAddReferenceB}{address line 2}{%
684   \global\def\cv@refBAddressLineB{#1}%
685   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/address line 2 = true}}}

686 \define@key{cvAddReferenceB}{address line 3}{%
687   \global\def\cv@refBAddressLineC{#1}%
688   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/address line 3 = true}}}

689 \define@key{cvAddReferenceB}{phone work}{%
690   \global\def\cv@refBPhoneWork{#1}%
691   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/phone work = true}}}

692 \define@key{cvAddReferenceB}{mobile phone}{%
693   \global\def\cv@refBMobilePhone{#1}%
694   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/mobile phone = true}}}
695 \NewDocumentCommand{\cvAddReference}{sm}{%
696   \IfBooleanTF{#1}{%
697     \setkeys{cvAddReferenceA}{name=,company=,
698       position=,address line 1=,address line 2=,
699       address line 3=,phone work=,mobile phone=#2}
700     \pgfkeys{/cv/references/name = true}%
701   }{%
702     \setkeys{cvAddReferenceB}{name=,company=,
703       position=,address line 1=,address line 2=,

```

```

704 address line 3=,phone work=,mobile phone=#2}
705 \ifcv@refStored%
706 \begin{tabular}{@{}L{0.5\cvMainWidth-0.5\cvTimeDotSep%
707 -0.5\cvTableSepWidth}@{\hskip \cvTableSepWidth}%
708 L{0.5\cvMainWidth-0.5\cvTimeDotSep%
709 -0.5\cvTableSepWidth}@{}}%
710 \ifcv@refName \cv@refAName & \cv@refBName \fi %
711 \ifcv@refCompany \cv@refACompany & \cv@refBCompany \fi %
712 \ifcv@refPosition \cv@refAPosition & \cv@refBPosition \fi %
713 \ifcv@refAddressLineA \cv@refAAddressLineA & \cv@refBAddressLineA \fi %
714 \ifcv@refAddressLineB \cv@refAAddressLineB & \cv@refBAddressLineB \fi %
715 \ifcv@refAddressLineC \cv@refAAddressLineC & \cv@refBAddressLineC \fi %
716 \ifcv@refWorkPhone \cv@refAPhoneWork & \cv@refBPhoneWork \fi %
717 \ifcv@refMobilePhone \cv@refAMobilePhone & \cv@refBMobilePhone \fi %
718 \end{tabular}%
719 \pgfkeys{/@cv/references/value stored = false}%
720 \else%
721 \begin{tabular}{@{}L{0.5\cvMainWidth%
722 -0.5\cvTimeDotSep}@{}}%
723 \ifcv@refName \cv@refBName \fi %
724 \ifcv@refCompany \cv@refBCompany \fi %
725 \ifcv@refPosition \cv@refBPosition \fi %
726 \ifcv@refAddressLineA \cv@refBAddressLineA \fi %
727 \ifcv@refAddressLineB \cv@refBAddressLineB \fi %
728 \ifcv@refAddressLineC \cv@refBAddressLineC \fi %
729 \ifcv@refWorkPhone \cv@refBPhoneWork \fi %
730 \ifcv@refMobilePhone \cv@refBMobilePhone \fi %
731 \end{tabular}%
732 \fi%
733 }%
734 }

```

cvSidebar environment

```

735 \NewDocumentEnvironment{cvSidebar}{}{%
736 \vspace*{\fill}
737 \vspace*{-0.5\cvMargin}
738 \begin{tikzpicture}[remember picture,overlay]
739 \fill[cvGreenLight] (current page.north west) rectangle %
740 ++(\cvSideWidth+2\cvMargin,-\paperheight);
741 \end{tikzpicture}%
742 \begin{minipage}{\cvSideWidth}
743 \begin{center}
744 }{%
745 \end{center}
746 \end{minipage}
747 \vspace*{\fill}
748 }
749 \NewDocumentEnvironment{cvSidear*}{}{%
750 \vspace*{\fill}

```

```

751 \vspace*{-0.5\cvMargin}
752 \begin{tikzpicture}[remember picture,overlay]
753   \fill[cvGreenLight] (current page.north east) rectangle %
754     ++(-\cvSideWidth-2\cvMargin,-\paperheight);
755 \end{tikzpicture}%
756 \begin{minipage}{\cvSideWidth}
757   \begin{center}
758 }{%
759   \end{center}
760 \end{minipage}
761 \vspace*{\fill}
762 }

```

cvProfile environment

```

763 \NewDocumentEnvironment{cvProfile}{}{%
764   \vspace{\cvSectionSBSep}
765   \ruleline{\pgfkeysvalueof{/@cv/names/profile}}
766 }{%
767 }

```

cvContact environment

```

768 \NewDocumentCommand{\cv@ContactTemplate}{mm}{
769   \NewDocumentCommand{#1}{m}{
770     \ifcv@contactfirst \ \ \else %
771       \global\cv@contactfirsttrue \fi\node[cv@contactIcon]{#2};
772       \pgfmatrixnextcell \node[cv@contactText]{##1};
773   }
774 }
775 \NewDocumentCommand{\cv@ContactTemplateLink}{mm}{
776   \NewDocumentCommand{#1}{mm}{
777     \ifcv@contactfirst \ \ \else %
778       \global\cv@contactfirsttrue \fi\node[cv@contactIcon]{#2};
779       \pgfmatrixnextcell \node[cv@contactText]{%
780         \@IfNoValueOrEmptyTF{##1}{##2}{\href{##1}{##2}}};
781   }
782 }
783 \NewDocumentCommand{\cvContactTemplate}{0{} mm}{
784   \ifcv@contactfirst%
785     \ \ %
786   \else %
787     \global\cv@contactfirsttrue %
788   \fi %
789   \node[cv@contactIcon]{#2};
790   \pgfmatrixnextcell \node[cv@contactText]{%
791     \@IfNoValueOrEmptyTF{#1}{#3}{\href{#1}{#3}}}%
792   };
793 }
794 \newif\ifcv@contactfirst

```

```

795 \NewDocumentEnvironment{cvContact}{-}{%
796   \vspace{\cvSectionSBSep}
797   \ruleline{\pgfkeysvalueof{/@cv/names/contact}}%
798   \vspace{\cvSectionSBSep}
799
800   \global\cv@contactfirstfalse
801   \cv@ContactTemplate{\cvContactAddress}{\faMapMarker}
802   \cv@ContactTemplate{\cvContactPhone}{\faPhone}
803
804   \cv@ContactTemplateLink{\cvContactEmail}{\faEnvelope}
805   \cv@ContactTemplateLink{\cvContactWebsite}{\faGlobe}
806   \cv@ContactTemplateLink{\cvContactGithub}{\faGithub}
807   \cv@ContactTemplateLink{\cvContactGitlab}{\faGitlab}
808   \cv@ContactTemplateLink{\cvContactLinkedin}{\faLinkedin}
809   \cv@ContactTemplateLink{\cvContactTwitter}{\faTwitter}
810   \cv@ContactTemplateLink{\cvContactKeybase}{\faKey}
811   \begin{tikzpicture}[%
812     every node/.style={inner sep=0pt, outer sep=0pt}]
813     \matrix [
814       column 1/.style={anchor=center},
815       column 2/.style={anchor=west,align=left},
816       column sep=\cvContactItemSep,
817       row sep=\cvContactItemSep,
818       inner sep=0pt,
819       outer sep=0pt] (contact) \bgroup
820 }{%
821   \\\egroup; % \ required, does not compile otherwise
822   \end{tikzpicture}%
823 }

```

cvInterests environment

```

824 \newif\ifcv@interestLong
825 \cv@interestLongtrue
826 \newcounter{cv@cvInterestCounter}
827 \setcounter{cv@cvInterestCounter}{1}
828 \newcounter{cv@cvInterestCounterPrev}
829 \setcounter{cv@cvInterestCounterPrev}{0}
830 \newif\ifcv@interestContent
831 \cv@interestContentfalse
832 \NewDocumentCommand{\cv@TypesetTableRows}{-}{-}
833 \newif\ifcv@interesttikzopen
834 \cv@interesttikzopenfalse
835 \NewDocumentCommand{\cv@interestClose}{-}{-}
836   \ifcv@interestLong
837     \ifcv@interesttikzopen
838       \end{tikzpicture}
839     \global\cv@interesttikzopenfalse
840   \fi
841   \else

```

```

842 \ifcv@interestContent
843 \begin{tabular}{@{}c@{}}
844 \cv@TypesetTableRows
845 \end{tabular}
846 \fi
847 \fi
848 }
849 \NewDocumentCommand{\cv@interestOpen}{-}{
850 \ifcv@interestLong
851 \ifcv@interesttikzopen
852 \else
853 \cv@interesttikzopentruue
854 \begin{tikzpicture}[%
855 every node/.style={inner sep=0cm,outer sep=0cm}]
856 \fi
857 \else
858 \global\def\cv@TypesetTableRows{}
859 \global\cv@interestContentfalse
860 \fi
861 }
862 \NewDocumentCommand{\cv@definecv@interestSection}{-}{
863 \NewDocumentCommand{\cv@interestSection}{m}{%
864 \cv@interestClose\
865 \ifcv@interestContent
866 \vspace*{2\cvSectionSBSep}
867 \fi
868 {\color{cvGreen}---} ##1 {\color{cvGreen}---}\
869 \vspace*{\cvSectionSBSep}
870 \cv@interestOpen
871 }
872 }
873 \NewDocumentCommand{\cv@definecvInterestLong}{-}{
874 \NewDocumentCommand{\cvInterest}{mm}{%
875 \ifcv@interestContent %
876 \node[
877 below=\cvItemSep of cv@interest text %
878 \the\value{cv@cvInterestCounterPrev},
879 cv@interesticon]
880 (cv@interest icon \the\value{cv@cvInterestCounter}) {##1};
881 \node[
882 below=\cvInterestDetailsSep of cv@interest icon %
883 \the\value{cv@cvInterestCounter},
884 cv@interesttext]
885 (cv@interest text \the\value{cv@cvInterestCounter}) {##2};
886 \else
887 \cv@interestOpen
888 \node[cv@interesticon]
889 (cv@interest icon \the\value{cv@cvInterestCounter}) {##1};
890 \node[
891 below=\cvInterestDetailsSep of cv@interest icon %

```

```

892         \the\value{cv@cvInterestCounter},
893         cv@interesttext]
894         (cv@interest text \the\value{cv@cvInterestCounter}) {##2};
895     \fi
896     \stepcounter{cv@cvInterestCounter}
897     \stepcounter{cv@cvInterestCounterPrev}
898     \global\cv@interestContenttrue
899 }
900 }
901 \NewDocumentCommand{\cv@definecvInterestShort}{}{
    https://tex.stackexchange.com/questions/12761
902     %\def\Z{\vphantom{\parbox[c]{1cm}{\Huge Something Long}}}
903     \NewDocumentCommand{\cvInterest}{mm}{%
        parse optional argument if present
904         \g@addto@macro\cv@TypesetTableRows{##1}%
905         \g@addto@macro\cv@TypesetTableRows{&}%
906         \g@addto@macro\cv@TypesetTableRows{##2}%
907         \g@addto@macro\cv@TypesetTableRows{\[\cvInterestDetailsSep]}%
908         \global\cv@interestContenttrue
909     }
910 }
911 \ExplSyntaxOn
912 \NewDocumentEnvironment{cvInterests}{o}{%
    set defaults
913     \cv@interestLongtrue
    parse optional arguments
914
915     \@IfNoValueOrEmptyTF{#1}{}{%
916         \str_case:nnF {#1}{
917             {long}{\cv@interestLongtrue}
918             {short}{\cv@interestLongfalse}
919         }{\ClassError{limecv}{Unkown option `#1' for cvInterests %
920             environment.}{Only `long' and `short' are valid options %
921             for this environment.}}
922     }
923
924     \cv@definecv@interestSection
    define new commands
925     \NewDocumentCommand{\cvInterestsPersonal}{}{%
926         \cv@interestSection{\faUser\ \emph{\pgfkeysvalueof{/cv/names/personal}}}}
927     \NewDocumentCommand{\cvInterestsProfessional}{}{%
928         \cv@interestSection{\faBriefcase\ \emph{%
929             \pgfkeysvalueof{/cv/names/professional}}}%
930     }
931
932     \ifcv@interestLong
933         \cv@definecvInterestLong

```

```

933 \else
934   \cv@definecvInterestShort
935   \fi
936   %%%
937   \vspace{\cvSectionSBSep}
938   \ruleline{\pgfkeysvalueof{/@cv/names/interests}}%
939   \vspace{\cvSectionSBSep}
940 }{%
941   \cv@interestClose
942 }
943 \ExplSyntaxOff

```

cvProject environment

```

944 \newif\ifcv@projectImage
945 \cv@projectImagefalse
946 \newif\ifcv@projectLink
947 \cv@projectLinkfalse
948 \newif\ifcv@projectWidth
949 \cv@projectWidthfalse
950 \newif\ifcv@projectHeight
951 \cv@projectHeightfalse
952 \newcounter{cv@projectCurrent}
953 \setcounter{cv@projectCurrent}{1}
954 \newcounter{cv@projectPrevious}
955 \setcounter{cv@projectPrevious}{0}
956 \define@key{cv@Project}{image}{%
957   \global\def\cv@projectImage{#1}%
958   \cv@projectImage>true}
959 \define@key{cv@Project}{link}{%
960   \global\def\cv@projectLink{#1}%
961   \cv@projectLink>true}
962 \define@key{cv@Project}{width}{%
963   \global\def\cv@projectWidth{#1}%
964   \cv@projectWidth>true}
965 \define@key{cv@Project}{height}{%
966   \global\def\cv@projectHeight{#1}%
967   \cv@projectHeight>true}
968 \NewDocumentCommand{\cv@definecvProject}{}{
969   \NewDocumentCommand{\cvProject}{omm}{%

```

default settings

```

970   \cv@projectImagefalse
971   \cv@projectLinkfalse
972   \cv@projectWidthfalse
973   \cv@projectHeightfalse

```

parse optional arguments

```

974   \IfNoValueOrEmptyTF{##1}{\setkeys{cv@Project}{##1}}

```



```

975     \ifnodedefined{project \the\value{cv@projectPrevious} %
976     description}{\fi}
977     \node (project \the\value{cv@projectPrevious} %
978     description) {};
979 }
draw image
980     \ifcv@projectImage
981     \ifcv@projectWidth
982     \node[below=\cv@projectSep of project %
983     \the\value{cv@projectPrevious} description]
984     (project \the\value{cv@projectCurrent} image)
985     {\includegraphics[width=\cv@projectWidth]{\cv@projectImage}};
986     \else
987     \ifcv@projectHeight
988     \node[below=\cv@projectSep of project %
989     \the\value{cv@projectPrevious} description]
990     (project \the\value{cv@projectCurrent} image)
991     {\includegraphics[height=\cv@projectHeight]{\cv@projectImage}};
992     \else
993     \ClassError{limecv}{No width or height specified, %
994     but image specified.}{Always specify the height or %
995     width if an image is set.}
996     \fi
997     \fi
draw title (and add href if specified)
998     \node[%
999     text width=\cvSideWidth,
1000     align=center,
1001     below=\cvProjectDetailsSep of project \the\value{cv@projectCurrent} %
1002     image]
1003     (project \the\value{cv@projectCurrent} title) {%
1004     \ifcv@projectLink \href{\cv@projectLink}{##2} \else ##2 \fi };
1005     \else
draw title (and add href if specified)
1006     \node[below=\cv@projectSep of project %
1007     \the\value{cv@projectPrevious} description,
1008     text width=\cvSideWidth,
1009     align=center]
1010     (project \the\value{cv@projectCurrent} title) {%
1011     \ifcv@projectLink \href{\cv@projectLink}{##2} \else ##2 \fi };
1012     \fi
1013     \node[
1014     below=\cvProjectDetailsSep of project \the\value{cv@projectCurrent} title,
1015     text width=\cvSideWidth,
1016     align=center]
1017     (project \the\value{cv@projectCurrent} description) {##3};
1018
1019     \setlength\cv@projectSep\cvItemSep

```

```

increase counter value
1020     \stepcounter{cv@projectCurrent}
1021     \stepcounter{cv@projectPrevious}
1022   }
1023 }

1024 \NewDocumentEnvironment{cvProjects}{}{%
1025   \vspace{\cvSectionSBSep}
1026   \ruleline{\pgfkeysvalueof{/@cv/names/projects}}%
1027   \vspace{\cvSectionSBSep}
1028   \cv@definecvProject
1029   \begin{tikzpicture}[every node/.style={inner sep=0cm,outer sep=0cm}]
1030 }{
1031   \end{tikzpicture}
1032 }



---


cvLanguages environment
1033 \newcounter{cv@languages}
1034 \setcounter{cv@languages}{1}
1035 \pgfkeys{/@cv/languages/.is family,
1036 /@cv/languages/.unknown/.style = {%
1037   \pgfkeyscurrentpath/\pgfkeyscurrentname/.initial = #1}}
1038 \NewDocumentEnvironment{cvLanguages}{}{%
1039   \NewDocumentCommand{\cvLanguage}{mm}{%
1040     {\globaldefs=1\relax\pgfkeys{%
1041       /@cv/languages/lang\the\value{cv@languages} = ##2}}
1042     \node[cv@languageText]{##1}; \pgfmatrixnextcell %
1043     \node[cv@progressArea] (cv@language \the\value{cv@languages}) {}; \\\
1044     \stepcounter{cv@languages}
1045   }%
1046   \vspace{\cvSectionSBSep}
1047   \ruleline{\pgfkeysvalueof{/@cv/names/languages}}%
1048   \vspace{\cvSectionSBSep}
1049   \begin{tikzpicture}[%
1050     every node/.style={text depth=0pt,inner sep=0pt,outer sep=0pt}]
1051   \matrix [
1052     column 1/.style={anchor=east},
1053     column sep=1.5\cvSectionSBSep,
1054     row sep=1.5\cvSectionSBSep,
1055     column 2/.style={anchor=west,align=left}
1056   ] (contact) \bgroup
1057 }{%
1058   \\\egroup;
1059   \newcounter{cv@languagelevel}
1060   \setcounter{cv@languagelevel}{1}
1061   \loop\ifnum\value{cv@languagelevel}<\value{cv@languages}
1062     \draw (cv@language \the\value{cv@languagelevel}.west) %
1063     node[%
1064     cv@progressBar ,

```

```

1065         minimum width=\pgfkeysvalueof{%
1066             /@cv/languages/lang\the\value{cv@languagelevel}}em]%
1067         };
1068     \stepcounter{cv@languagelevel}
1069 \repeat
1070 \end{tikzpicture}
1071 }

```

cvCoverLetter environment
cover letter keys

```

1072 \define@key{cvCoverLetter}{name}{%

```

\cv@coverletterName

```

1073 \global\def\cv@coverletterName{#1}}

```

```

1074 \define@key{cvCoverLetter}{company}{%

```

\cv@coverletterCompany

```

1075 \global\def\cv@coverletterCompany{#1}}

```

```

1076 \define@key{cvCoverLetter}{position}{%

```

\cv@coverletterPosition

```

1077 \global\def\cv@coverletterPosition{#1}}

```

```

1078 \define@key{cvCoverLetter}{address line 1}{%

```

\cv@coverletterAddressLineA

```

1079 \global\def\cv@coverletterAddressLineA{#1}}

```

```

1080 \define@key{cvCoverLetter}{address line 2}{%

```

\cv@coverletterAddressLineB

```

1081 \global\def\cv@coverletterAddressLineB{#1}}

```

```

1082 \define@key{cvCoverLetter}{address line 3}{%

```

\cv@coverletterAddressLineC

```

1083 \global\def\cv@coverletterAddressLineC{#1}}

```

```

1084 \NewDocumentCommand{\cv@definecvBeneficiary}{-}{

```

```

1085 \NewDocumentCommand{\cvBeneficiary}{m}{%

```

```

1086 \setkeys{cvCoverLetter}{name={},company={},

```

```

1087 position={},address line 1={},address line 2={},

```

```

1088 address line 3={},##1}

```

```

1089 \begin{tabular}{@{}l}

```

```

1090 \@IfNoValueOrEmptyTF{%

```

```

1091 \cv@coverletterName}{-}{%

```

```

1092 \MakeUppercase{\cv@coverletterName}} %

```

```

1093 \@IfNoValueOrEmptyTF{%

```

```

1094     \cv@coverletterCompany}{\ \ %
1095     \cv@coverletterCompany} %
1096     \@IfNoValueOrEmptyTF{%
1097     \cv@coverletterPosition}{\ \ %
1098     \cv@coverletterPosition} %
1099     \@IfNoValueOrEmptyTF{%
1100     \cv@coverletterAddressLineA}{\ \ %
1101     \cv@coverletterAddressLineA} %
1102     \@IfNoValueOrEmptyTF{%
1103     \cv@coverletterAddressLineB}{\ \ %
1104     \cv@coverletterAddressLineB} %
1105     \@IfNoValueOrEmptyTF{%
1106     \cv@coverletterAddressLineC}{\ \ %
1107     \cv@coverletterAddressLineC} %
1108     \end{tabular}%
1109     \vspace{\cvMargin}
1110   }
1111 }

1112 \NewDocumentCommand{\cv@definecvFullName}{-}{
1113   \NewDocumentCommand{\cvFullName}{-}{%
1114     \pgfkeysvalueof{/cv/info/first name} %
1115     \pgfkeysvalueof{/cv/info/last name}
1116   }
1117 }

1118 \NewDocumentEnvironment{cvCoverLetter}{-}{%
1119   \newgeometry{textwidth=\cvCoverLetterWidth,noheadfoot}
1120   \begin{tikzpicture}[%
1121     remember picture,
1122     overlay,
1123     every node/.style={inner sep=0cm,outer sep=0cm}]
   draw green background
1124   \begin{scope}[on background layer]
1125     \fill[cvGreenLight] (current page.north west) rectangle %
1126     ++(\paperwidth,-\cvCoverLetterHeight);
1127   \end{scope}
1128   \draw (current page.north east) %
1129   ++(-0.5\paperwidth+0.5\cvCoverLetterWidth,
1130     -\cvCoverLetterHeight/2) node (cv@h7) {};
1131   \node[anchor=east] at (cv@h7) (cv cover letter name){%
1132     \fontsize{50}{60}\selectfont
   trick to expand argument such that 'kleft' sees an alphabetic constant (i.e. a single
   letter)
1133   \begingroup\edef\y{\endgroup%
1134     \noexpand\kleft{\cv@FirstNameLetter}}%
1135   \y
1136   \StrGobbleLeft{\pgfkeysvalueof{/cv/info/first name}}{1}\space
1137   \StrGobbleRight{\pgfkeysvalueof{/cv/info/last name}}{1}

```

same trick trick to expand argument such that 'kleft' sees an alphabetic constant (i.e. a single letter)

```

1138     \begingroup\edef\y{\endgroup%
1139     \noexpand\kright{\cv@LastNameLetter}}%
1140     \y
1141     };
1142     \node[%
1143     align=right,
1144     cvAccent,
1145     below=\cvCoverLetterPositionSpacing of cv cover letter name.south east,
1146     anchor=north east]{%
1147     \StrGobbleRight{\pgfkeysvalueof{/cv/info/position}}{1}
1148     \begingroup\edef\y{\endgroup%
1149     \noexpand\kright{\cv@PositionLetter}}%
1150     \y};
1151
1152     \begin{scope}[on background layer]
1153     \draw[line width=\cvCoverLetterLineWidth,cvGreen]
1154     ($(cv cover letter name.south west)+(0,-\cvCoverLetterLineSpacing)$) to
1155     ($(cv cover letter name.south east)+(0,-\cvCoverLetterLineSpacing)$);
1156     \end{scope}
1157 \end{tikzpicture}
1158 \vspace{\dimexpr\cvCoverLetterHeight-1in-\topmargin\relax}
1159
1160 \today
1161
1162 \vspace{\baselineskip}
1163 \cv@definecvBeneficiary
1164 \cv@definecvFullName
1165 }{%
1166 \restoregeometry
1167 }

```

cvID macro

```

1168 \pgfkeys{/cv/info/.is family,
1169           /cv/info/.unknown/.style = %
1170           {\pgfkeyscurrentpath/\pgfkeyscurrentname/%
1171           .initial = #1}}

first name, second name, picture, position
1172 \NewDocumentCommand{\cvID}{mmm}{
1173 \IfNoValueOrEmptyTF{#3}{}{
1174 \begin{tikzpicture}
1175 \node[
1176     circle,
1177     text=white,
1178     minimum size=\cvPictureWidth,
1179     path picture={
1180     \node at (path picture bounding box.center){

```

```

1181         \includegraphics[width=\cvPictureWidth]{#3}
1182     };
1183     }]
1184     { };
1185     \end{tikzpicture}}\
1186 }
1187 {\LARGE
1188 \vspace{\cvIDNameSep}
1189 #1
1190 \vspace{\cvIDNameSep}
1191 #2}
1192
1193 \vspace{\cvPositionSep}
1194
1195 \@IfNoValueOrEmptyTF{#4}{-}{\color{cvAccent} #4}
1196
1197 \vspace{\cvPositionSep}
1198 {\globaldefs=1\relax\pgfkeys{/@cv/info/first name = %
1199 #1}\def\cv@FirstNameLetter{\extract{#1}{1}}}
1200 {\globaldefs=1\relax\pgfkeys{/@cv/info/last name = %
1201 #2}\def\cv@LastNameLetter{\extract{#2}{-1}}}
1202 {\globaldefs=1\relax\pgfkeys{/@cv/info/position = %
1203 #4}\def\cv@PositionLetter{\extract{#4}{-1}}}
1204 }

```