The **limecv** document class[*]

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Contents

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[*]This document corresponds to limecv v0.1.7, dated 2020/02/08.

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.
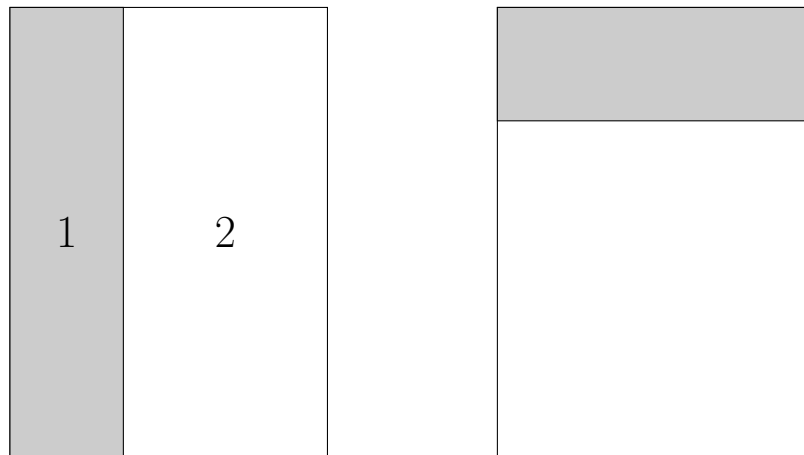

Figure 1: Illustation of a basic template. The image to the left depicts the actual CV: sidebar to the left (1) with main content on the right (2). The image to the right depicts the cover letter design.

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.

FontAwesome[2] is the icon font used. This font should also be available and

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[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 `fontawesome` 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{`⟨*link*⟩`}{`⟨*email address*⟩`}` 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{`⟨*mobile phone number*⟩`}` typesets a mobile phone number.

`\cvContactWebsite`
- `\cvContactWebsite{`⟨*link*⟩`}{`⟨*website URL*⟩`}` 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{`⟨*link*⟩`}{`⟨*username*⟩`}` 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{`⟨*link*⟩`}{`⟨*username*⟩`}` typesets a GitLab profile. Same considerations apply as in the `\cvContactGithub` command.

`\cvContactLinkedin`
- `\cvContactLinkedin{`⟨*link*⟩`}{`⟨*username*⟩`}` 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{`⟨*link*⟩`}{`⟨*username*⟩`}` 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{`⟨*link*⟩`}{`⟨*fingerprint*⟩`}` 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:

```
\begin{cvContact}
  \cvContactAddress{Some Street 78\\B-9000 Ghent\\Belgium}
  \cvContactEmail{mailto:john@doe.tld}{john@doe.tld}
  \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⟩}{`
\cvLanguage   ⟨*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`,
\cvInterestsPersonal   `\cvInterestsProfessional` and `\cvInterest`. `\cvInterestsPersonal` and
\cvInterestsProfessional   `\cvInterestsProfessional` add optional sections inside this environment to differentiate between personal and professional interests respectively. Both macros
\cvInterest   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   `\cvProject[`⟨*options*⟩`]{`⟨*name*⟩`}{`⟨*description*⟩`}` 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 LaTeX-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\\
```

6

```
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
                          and due problem-solving
18                    reasoning skills.}}
19  \end{cvEducation}
```

cvExperience cvExperience works very similar to cvEducation. If 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
             2010\\
4      Integer tincidunt dapibus consectetur. Nullam tristique
              aliquam luctus. Sed
5      ut ante velit. Nulla pharetra maximus lacus at
             elementum. Suspendisse
6      sodales consectetur metus, sit amet ultricies ipsum
             ultrices ut.};
7    \cvItem{Internship\\
8      \textsc{Company Y}, Location Y. June 2012 -- August
             2012\\
9      Lorem ipsum dolor sit amet, consectetur adipiscing elit
             . Morbi dictum cursus
10     sapien, id eleifend mi pellentesque id. Etiam lobortis
             eu odio a sodales.
11     Phasellus ut dolor feugiat, lacinia lectus in, blandit
             metus. Fusce lacinia
12     dolor et metus gravida pulvinar sit amet et ex.};
13   \cvItem{Internship\\
14     \textsc{Company Z}, Location Z. August 2014 --
             September 2014\\
15     Lorem ipsum dolor sit amet, consectetur adipiscing elit
             . Morbi dictum cursus
16     sapien, id eleifend mi pellentesque id. Etiam lobortis
             eu odio a sodales.
17     Phasellus ut dolor feugiat, lacinia lectus in, blandit
             metus.  Fusce lacinia
18     dolor et metus gravida pulvinar sit amet et ex.
             Suspendisse vestibulum, leo
19     malesuada molestie maximus, sem risus ornare elit,
             vitae sodales felis
20     elit in ipsum.};
21  \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
cvSkillOne   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
\cvAddReference   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 typese. 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

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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)

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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`.

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- \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\paperwidth-\cvMargin.

- \cvMainWidth Width of the main content section. Default value: \paperwidth-4\cvMargin-\cvSide

- \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: \cvMainWidth+3\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 LaTeX, 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
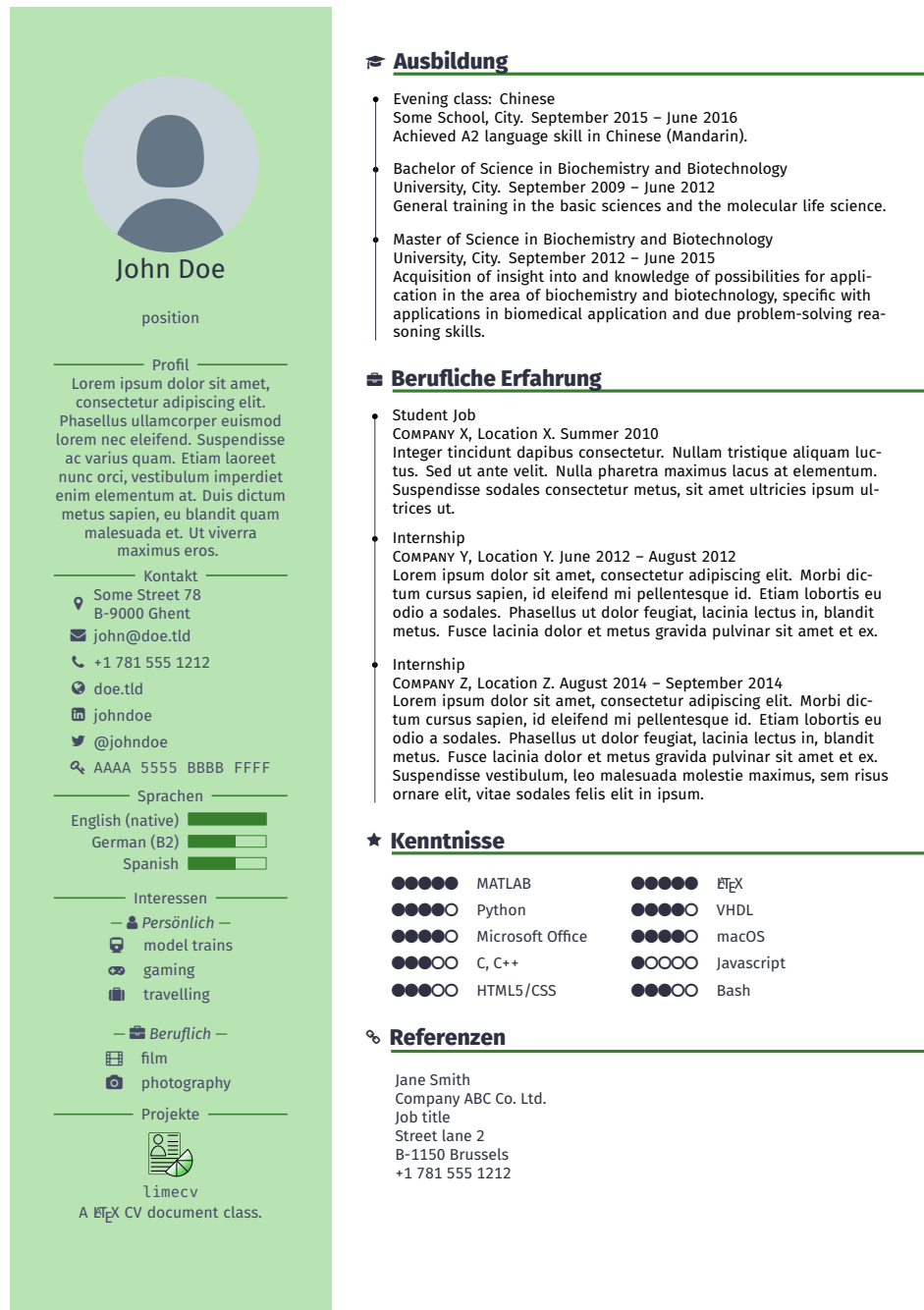B-1150 Brussels
+1 781 555 1212

Figure 2: Example CV (scaled).

John Doe

position

February 8, 2020

JANE SMITH
Company
Position
Address line 1
Address line 2

Dear Miss. Smith

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer 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, consectetuer 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 signle 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 (unimplemened) 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 passible using this class option. Other options can also be set this way. However, if multiple arguments are desirale, 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 modifed 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}
```

9.5   New Column Types

Define new table column types with fixed width.

```
31 \newcolumntype{L}[1]{>{\raggedright\let\newline\\%
32 \arraybackslash\hspace{0pt}}m{#1}}
33 \newcolumntype{C}[1]{>{\centering\let\newline\\%
34 \arraybackslash\hspace{0pt}}m{#1}}
35 \newcolumntype{R}[1]{>{\raggedleft\let\newline\\%
36 \arraybackslash\hspace{0pt}}m{#1}}
```

9.6 Helper commands

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

`\cvComma`

```
37 \NewDocumentCommand{\cvComma}{}{,}
```

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

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

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

`\ifnodedefined` Checks if node is defined.

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

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

9.7 Global Font Colour

`\globalcolor` Update global font colour.

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

Automatically set font colour.

```
51 \AtBeginDocument{\globalcolor{cvDark}}
```

9.8 TikZ Style Definitions

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

```
52 \RequirePackage{tikz}
```

Needed to load the cover letter image in the sidebar.

```
53 \RequirePackage{graphicx}
```

A lot of additional TikZ libraries are also needed:

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

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

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

```
147    },
148 }
```

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`

```
149 \NewDocumentCommand{\cv@loadFonts}{}{
150    \RequirePackage{fontspec}
151    \RequirePackage{fontawesome}
```

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

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

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

```
155    \ifcv@fontPath
156      \newfontfamily{\cv@FA}[Path=\limecv@path]%
157        {FontAwesome}
158    \else
159      \newfontfamily{\cv@FA}{FontAwesome}
160    \fi
```

The `fontawesome` 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`

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

`\faVcard`

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

`\faMicrochip`

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

In the future, the `fontawesome` dependency can be dropped if a manually coded
icon is included, such as those defined in monderncv. Example: `https://raw.`
`githubusercontent.com/xdanaux/moderncv/%master/moderncviconsmarvosym.`
`sty`

```
167 }
```

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

```
168 \ifxetex
169   \cv@loadFonts
170 \else
171   \ifluatex
172     \cv@loadFonts
173   \else
174     \RequirePackage{fontawesome}
175     \RenewDocumentCommand{\familydefault}{}{\sfdefault}
176   \fi
177 \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 poerform anything.

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

```
178 \ifxetex
```

`\kright`

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

```
186 \else
```

`\kright`

```
187   \NewDocumentCommand{\kright}{m}{#1}
```

`\kleft`

```
188   \NewDocumentCommand{\kleft}{m}{#1}
```

```
189 \fi
```

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

```
190 \ExplSyntaxOn
191 \cs_generate_variant:Nn\tl_item:nn {f}
```

`\extract`

```
192 \DeclareExpandableDocumentCommand{\extract}{mm}{%
193   \tl_item:fn{#1}{#2}%
194 }
```

```
195 \ExplSyntaxOff
```

Page layout
remove page numbers

```
196 %% \pagenumbering{gobble}
```

remove all page styling

```
197 \pagestyle{empty}
```

not used

```
198 \newlength\cvColSep
199 \setlength\cvColSep{1cm} % 2 times column separation!
```

not used

```
200 \newlength\cvNodeSep
201 \setlength\cvNodeSep{0.75cm}
202 \newlength\cvTimeDotDiameter
203 \setlength\cvTimeDotDiameter{3pt}
204 \newlength\cvMargin
205 \setlength\cvMargin{1cm}
206 \newlength\cvSideWidth
207 \setlength\cvSideWidth{0.3\paperwidth-\cvMargin}
208 \newlength\cvMainWidth
209 \setlength\cvMainWidth{\paperwidth-4\cvMargin-\cvSideWidth}
210 \newlength\cvTimeDotSep
211 \setlength\cvTimeDotSep{0.4cm}
212 \newlength\cvStartEndSep
213 \setlength\cvStartEndSep{0.3cm}
214 \newlength\cvItemSep
215 \setlength\cvItemSep{0.4cm}
216 \newlength\cvTableSepWidth
217 \setlength\cvTableSepWidth{0.3cm}
218 \newlength\cvCoverLetterHeight
219 \setlength\cvCoverLetterHeight{\cvSideWidth}
220 \newlength\cvCoverLetterWidth
221 \setlength\cvCoverLetterWidth{\cvMainWidth+3\cvMargin}
222 \newlength\cvPictureWidth
223 \setlength\cvPictureWidth{4cm}
```

progress area size definition

```
224 \newlength\cvProgressAreaWidth
225 \setlength\cvProgressAreaWidth{5em}
226 \newlength\cvProgressAreaHeight
227 \setlength\cvProgressAreaHeight{0.75em}
228 \newlength\cvSectionSep
229 \setlength\cvSectionSep{0.6cm}
230 \newlength\cvSectionSBSep
231 \setlength\cvSectionSBSep{4pt}
```

line width of horizontal line below section title

```
232 \newlength\cvTitleLineWidth
233 \setlength\cvTitleLineWidth{2pt}
```

distance from bottom of text to centre of line

```
234 \newlength\cvTitleLineSpacing
235 \setlength\cvTitleLineSpacing{0.1cm}
```

set to `\cvItemSep` by default (do not overwrite!)

```
236 \newlength\cv@projectSep
237 \setlength\cv@projectSep{0cm}
```

internal spacing between details of a single project

```
238 \newlength\cvProjectDetailsSep
239 \setlength\cvProjectDetailsSep{0.2cm}
240 \newlength\cvInterestDetailsSep
241 \setlength\cvInterestDetailsSep{4pt}
242 \newlength\cvContactItemSep
243 \setlength\cvContactItemSep{5pt}
```

line width of line below cover letter name

```
244 \newlength\cvCoverLetterLineWidth
245 \setlength\cvCoverLetterLineWidth{3pt}
246 \newlength\cvCoverLetterPositionSpacing
247 \setlength\cvCoverLetterPositionSpacing{10pt}
248 \newlength\cvSBSectionLineWidth
249 \setlength\cvSBSectionLineWidth{1pt}
250 \newlength\cvCoverLetterLineSpacing
251 \setlength\cvCoverLetterLineSpacing{0pt}
252 \newlength\cvIDNameSep
253 \setlength\cvIDNameSep{0.1cm}
254 \newlength\cvPositionSep
255 \setlength\cvPositionSep{0.5cm}
256 \newlength\cvSkillSep
257 \setlength\cvSkillSep{1ex}
258 \newlength\cvHeaderIconWidth
259 \setlength\cvHeaderIconWidth{0pt}
```

New styling commands
Style main section title

```
260 \NewDocumentCommand{\cvSection}{m}{\Large\textbf{#1}}
```

Typeset skill level

```
261 \newcount\my@repeat@count
262 \NewDocumentCommand{\cvSkill}{m}{%
263   \begingroup
264   \my@repeat@count=\z@
265   \@whilenum\my@repeat@count<#1\do{\faCircle\advance%
266     \my@repeat@count\@ne}%
267   \my@repeat@count=\numexpr5-\z@\relax
268   \@whilenum\my@repeat@count>#1\do{\faCircleO\advance%
269     \my@repeat@count\m@ne}%
270   \endgroup
271 }
```

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

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

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

Title counters

```
277 \newcounter{cv@titlePrev}
278 \setcounter{cv@titlePrev}{0}
279 \newcounter{cv@titleNext}
280 \setcounter{cv@titleNext}{1}
```

Draw everything associated with main section title.

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

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

Draw the timeline

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

Item counters

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

List a timeline entry

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

26

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

————————————— Language

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

Set all title names to English (default):

```
398 \NewDocumentCommand{\cv@setEnglish}{}{
399     \pgfkeys{/@cv/names/profile = Profile}%
400     \pgfkeys{/@cv/names/contact = Contact}%
401     \pgfkeys{/@cv/names/languages = Languages}%
402     \pgfkeys{/@cv/names/interests = Interests}%
403     \pgfkeys{/@cv/names/professional = Professional}%
404     \pgfkeys{/@cv/names/personal = Personal}%
405     \pgfkeys{/@cv/names/projects = Projects}%
406     \pgfkeys{/@cv/names/education = Education}%
407     \pgfkeys{/@cv/names/experience = Experience}%
```

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

Set all title names to Dutch:

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

Set all title names to Chinese (Mandarin):

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

Set all title names to French:

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

Set all title names to German:

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

Set all title names to Italian:

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

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

Define the command to change the language

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

29

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

501 % \cvSetLanguage{english}
```

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

```
502 \newif\ifcv@firstskill
```

temporary command that stores skill information

```
503 \NewDocumentCommand{\cv@skillsTable}{}{}
```

typeset two skills

```
504 \NewDocumentCommand{\cvSkillTwo}{mmmm}{%
505   \ifcv@firstskill
506     \g@addto@macro\cv@skillsTable{\cvSkill{#1} %
507       & #2 & \cvSkill{#3} & #4}
508     \cv@firstskillfalse
509   \else
510     \g@addto@macro\cv@skillsTable{\\[\cvSkillSep] \cvSkill{#1} %
511       & #2 & \cvSkill{#3} & #4}
512   \fi
513 }
```

typeset one skill

```
514 \NewDocumentCommand{\cvSkillOne}{mm}{%
515   \ifcv@firstskill
516     \g@addto@macro\cv@skillsTable{\cvSkill{#1} & #2}
517     \cv@firstskillfalse
518   \else
519     \g@addto@macro\cv@skillsTable{\\[\cvSkillSep] \cvSkill{#1} & #2}
520   \fi
521 }
```

---

cvMainContent environments

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

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

---

cvEductation environment

```
548 \NewDocumentEnvironment{cvEducation}{}{%
549     \cv@Title{\pgfkeysvalueof{/@cv/names/education}}{\faGraduationCap}
```

insures uniqueness

```
550     \stepcounter{cv@itemPrev}
551     \stepcounter{cv@itemNext}
552     \cv@definecvItem
553   }{%
554     \cv@EndSectionDraw
555     \stepcounter{cv@lastItem}
556     \draw (item \the\value{cv@itemPrev}.south west)
557       node (cv@last item \the\value{cv@lastItem}) {};
558 }
```

---

cvExperience environment

```
559 \NewDocumentEnvironment{cvExperience}{}{%
560   \cv@Title{\pgfkeysvalueof{/@cv/names/experience}}{\faBriefcase}
```

insures uniqueness

```
561   \stepcounter{cv@itemPrev}
562   \stepcounter{cv@itemNext}
563   \cv@definecvItem
564 }{%
565   \cv@EndSectionDraw
566   \stepcounter{cv@lastItem}
567   \draw (item \the\value{cv@itemPrev}.south west)
568     node (cv@last item \the\value{cv@lastItem}) {};
569 }
```

---

cvSkills environment

```
570 \NewDocumentEnvironment{cvSkills}{}{%
```

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

----

cvPublications environment

```
585 \NewDocumentEnvironment{cvPublications}{}{%
586 \cv@Title{\pgfkeysvalueof{/@cv/names/publications}}{\faNewspaperO}
```

insures uniqueness

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

----

cvReferences environment

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

Key-value parsing structure

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

---

cvSidebar environment

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

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

---

cvProfile environment

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

---

cvContact environment

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

36

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

cvInterests environment

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

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

38

```
891        \the\value{cv@cvInterestCounter},
892      cv@interesttext]
893      (cv@interest text \the\value{cv@cvInterestCounter}) {##2};
894    \fi
895    \stepcounter{cv@cvInterestCounter}
896    \stepcounter{cv@cvInterestCounterPrev}
897    \global\cv@interestContenttrue
898  }
899 }
900 \NewDocumentCommand{\cv@definecvInterestShort}{}{
```

https://tex.stackexchange.com/questions/12761

```
901   %\def\Z{\vphantom{\parbox[c]{1cm}{\Huge Something Long}}}
902   \NewDocumentCommand{\cvInterest}{mm}{%
```

parse optial argument if present

```
903     \g@addto@macro\cv@TypesetTableRows{##1}%
904     \g@addto@macro\cv@TypesetTableRows{&}%
905     \g@addto@macro\cv@TypesetTableRows{##2}%
906     \g@addto@macro\cv@TypesetTableRows{\\[\cvInterestDetailsSep]}%
907     \global\cv@interestContenttrue
908   }
909 }
910 \ExplSyntaxOn
911 \NewDocumentEnvironment{cvInterests}{o}{%
```

set defaults

```
912   \cv@interestLongtrue
```

parse optional arguments

```
913
914   \@IfNoValueOrEmptyTF{#1}{}{%
915     \str_case:nnF {#1}{
916       {long}{\cv@interestLongtrue}
917       {short}{\cv@interestLongfalse}
918     }{\ClassError{limecv}{Unkown option `#1' for cvInterests %
919       environment.}{Only `long' and `short' are valid options %
920       for this environment.}}
921   }
922
923   \cv@definecv@interestSection
```

define new commands

```
924   \NewDocumentCommand{\cvInterestsPersonal}{}{%
925     \cv@interestSection{\faUser\ \emph{\pgfkeysvalueof{/@cv/names/personal}}}}
926   \NewDocumentCommand{\cvInterestsProfessional}{}{%
927     \cv@interestSection{\faBriefcase\ \emph{%
928       \pgfkeysvalueof{/@cv/names/professional}}%
929     }}
930   \ifcv@interestLong
931     \cv@definecvInterestLong
```

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

cvProject environment

```
943 \newif\ifcv@projectImage
944 \cv@projectImagefalse
945 \newif\ifcv@projectLink
946 \cv@projectLinkfalse
947 \newif\ifcv@projectWidth
948 \cv@projectWidthfalse
949 \newif\ifcv@projectHeight
950 \cv@projectHeightfalse
951 \newcounter{cv@projectCurrent}
952 \setcounter{cv@projectCurrent}{1}
953 \newcounter{cv@projectPrevious}
954 \setcounter{cv@projectPrevious}{0}

955 \define@key{cv@Project}{image}{%
956    \global\def\cv@projectImage{#1}%
957    \cv@projectImagetrue}

958 \define@key{cv@Project}{link}{%
959    \global\def\cv@projectLink{#1}%
960    \cv@projectLinktrue}

961 \define@key{cv@Project}{width}{%
962    \global\def\cv@projectWidth{#1}%
963    \cv@projectWidthtrue}

964 \define@key{cv@Project}{height}{%
965    \global\def\cv@projectHeight{#1}%
966    \cv@projectHeighttrue}
967 \NewDocumentCommand{\cv@definecvProject}{}{
968    \NewDocumentCommand{\cvProject}{omm}{%
```

 default settings

```
969       \cv@projectImagefalse
970       \cv@projectLinkfalse
971       \cv@projectWidthfalse
972       \cv@projectHeightfalse
```

 parse optional arguments

```
973       \@IfNoValueOrEmptyTF{##1}{}{\setkeys{cv@Project}{##1}}
```

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

increase counter value

```
1019     \stepcounter{cv@projectCurrent}
1020     \stepcounter{cv@projectPrevious}
1021   }
1022 }

1023 \NewDocumentEnvironment{cvProjects}{}{%
1024   \vspace{\cvSectionSBSep}
1025   \ruleline{\pgfkeysvalueof{/@cv/names/projects}}%
1026   \vspace{\cvSectionSBSep}
1027   \cv@definecvProject
1028   \begin{tikzpicture}[every node/.style={inner sep=0cm,outer sep=0cm}]
1029 }{
1030   \end{tikzpicture}
1031 }
```

---

cvLanguages environment

```
1032 \newcounter{cv@languages}
1033 \setcounter{cv@languages}{1}
1034 \pgfkeys{/@cv/languages/.is family,
1035 /@cv/languages/.unknown/.style = {%
1036   \pgfkeyscurrentpath/\pgfkeyscurrentname/.initial = #1}}
1037 \NewDocumentEnvironment{cvLanguages}{}{%
1038   \NewDocumentCommand{\cvLanguage}{mm}{%
1039     {\globaldefs=1\relax\pgfkeys{%
1040       /@cv/languages/lang\the\value{cv@languages} = ##2}}
1041     \node[cv@languageText]{##1}; \pgfmatrixnextcell %
1042       \node[cv@progressArea] (cv@language \the\value{cv@languages}) {}; \\
1043     \stepcounter{cv@languages}
1044   }%
1045   \vspace{\cvSectionSBSep}
1046   \ruleline{\pgfkeysvalueof{/@cv/names/languages}}%
1047   \vspace{\cvSectionSBSep}
1048   \begin{tikzpicture}[%
1049     every node/.style={text depth=0pt,inner sep=0pt,outer sep=0pt}]
1050   \matrix [
1051     column 1/.style={anchor=east},
1052     column sep=1.5\cvSectionSBSep,
1053     row sep=1.5\cvSectionSBSep,
1054     column 2/.style={anchor=west,align=left}
1055   ] (contact) \bgroup
1056 }{%
1057   \\\egroup;
1058   \newcounter{cv@languagelevel}
1059   \setcounter{cv@languagelevel}{1}
1060   \loop\ifnum\value{cv@languagelevel}<\value{cv@languages}
1061     \draw (cv@language \the\value{cv@languagelevel}.west) %
1062       node[%
1063         cv@progressBar,
```

```
1064        minimum width=\pgfkeysvalueof{%
1065          /@cv/languages/lang\the\value{cv@languagelevel}}em]%
1066          {};
1067      \stepcounter{cv@languagelevel}
1068    \repeat
1069    \end{tikzpicture}
1070 }
```

---

cvCoverLetter environment
cover letter keys

```
1071 \define@key{cvCoverLetter}{name}{%
```

\cv@coverletterName

```
1072 \global\def\cv@coverletterName{#1}}
```

```
1073 \define@key{cvCoverLetter}{company}{%
```

\cv@coverletterCompany

```
1074 \global\def\cv@coverletterCompany{#1}}
```

```
1075 \define@key{cvCoverLetter}{position}{%
```

\cv@coverletterPosition

```
1076 \global\def\cv@coverletterPosition{#1}}
```

```
1077 \define@key{cvCoverLetter}{address line 1}{%
```

\cv@coverletterAddressLineA

```
1078 \global\def\cv@coverletterAddressLineA{#1}}
```

```
1079 \define@key{cvCoverLetter}{address line 2}{%
```

\cv@coverletterAddressLineB

```
1080 \global\def\cv@coverletterAddressLineB{#1}}
```

```
1081 \define@key{cvCoverLetter}{address line 3}{%
```

\cv@coverletterAddressLineC

```
1082 \global\def\cv@coverletterAddressLineC{#1}}
1083 \NewDocumentCommand{\cv@definecvBeneficiary}{}{
1084   \NewDocumentCommand{\cvBeneficiary}{m}{%
1085     \setkeys{cvCoverLetter}{name={},company={},
1086       position={},address line 1={},address line 2={},
1087       address line 3={},##1}
1088     \begin{tabular}{@{}l}
1089       \@IfNoValueOrEmptyTF{%
1090         \cv@coverletterName}{}{%
1091         \MakeUppercase{\cv@coverletterName}} %
1092       \@IfNoValueOrEmptyTF{%
```

```
1093        \cv@coverletterCompany}{}{\\ %
1094        \cv@coverletterCompany} %
1095      \@IfNoValueOrEmptyTF{%
1096        \cv@coverletterPosition}{}{\\ %
1097        \cv@coverletterPosition} %
1098      \@IfNoValueOrEmptyTF{%
1099        \cv@coverletterAddressLineA}{}{\\ %
1100        \cv@coverletterAddressLineA} %
1101      \@IfNoValueOrEmptyTF{%
1102        \cv@coverletterAddressLineB}{}{\\ %
1103        \cv@coverletterAddressLineB} %
1104      \@IfNoValueOrEmptyTF{%
1105        \cv@coverletterAddressLineC}{}{\\ %
1106        \cv@coverletterAddressLineC} %
1107    \end{tabular}%
1108    \vspace{\cvMargin}
1109  }
1110 }

1111 \NewDocumentCommand{\cv@definecvFullName}{}{
1112  \NewDocumentCommand{\cvFullName}{}{%
1113    \pgfkeysvalueof{/@cv/info/first name} %
1114    \pgfkeysvalueof{/@cv/info/last name}
1115  }
1116 }
1117 \NewDocumentEnvironment{cvCoverLetter}{}{%
1118  \newgeometry{textwidth=\cvCoverLetterWidth,noheadfoot}
1119  \begin{tikzpicture}[%
1120      remember picture,
1121      overlay,
1122      every node/.style={inner sep=0cm,outer sep=0cm}]
```

  draw green background

```
1123    \begin{scope}[on background layer]
1124      \fill[cvGreenLight] (current page.north west) rectangle %
1125        ++(\paperwidth,-\cvCoverLetterHeight);
1126    \end{scope}
1127    \draw (current page.north east) %
1128      ++(-0.5\paperwidth+0.5\cvCoverLetterWidth,
1129        -\cvCoverLetterHeight/2) node (cv@h7) {};
1130    \node[anchor=east] at (cv@h7) (cv cover letter name){%
1131      \fontsize{50}{60}\selectfont
```

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

```
1132      \begingroup\edef\y{\endgroup%
1133        \noexpand\kleft{\cv@FirstNameLetter}}%
1134      \y
1135      \StrGobbleLeft{\pgfkeysvalueof{/@cv/info/first name}}{1}\space
1136      \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)

```
1137        \begingroup\edef\y{\endgroup%
1138          \noexpand\kright{\cv@LastNameLetter}}%
1139        \y
1140        };
1141      \node[%
1142        align=right,
1143        cvAccent,
1144        below=\cvCoverLetterPositionSpacing of cv cover letter name.south east,
1145        anchor=north east]{%
1146          \StrGobbleRight{\pgfkeysvalueof{/@cv/info/position}}{1}
1147      \begingroup\edef\y{\endgroup%
1148        \noexpand\kright{\cv@PositionLetter}}%
1149      \y};
1150
1151      \begin{scope}[on background layer]
1152        \draw[line width=\cvCoverLetterLineWidth,cvGreen]
1153          ($(cv cover letter name.south west)+(0,-\cvCoverLetterLineSpacing)$) to
1154          ($(cv cover letter name.south east)+(0,-\cvCoverLetterLineSpacing)$);
1155      \end{scope}
1156    \end{tikzpicture}
1157    \vspace{\dimexpr\cvCoverLetterHeight-1in-\topmargin\relax}
1158
1159    \today
1160
1161    \vspace{\baselineskip}
1162    \cv@definecvBeneficiary
1163    \cv@definecvFullName
1164 }{%
1165    \restoregeometry
1166 }
```

---

cvID macro

```
1167 \pgfkeys{/@cv/info/.is family,
1168        /@cv/info/.unknown/.style = %
1169        {\pgfkeyscurrentpath/\pgfkeyscurrentname/%
1170        .initial = #1}}
```

first name, second name, picture, position

```
1171 \NewDocumentCommand{\cvID}{mmmm}{
1172    \@IfNoValueOrEmptyTF{#3}{}{
1173      \begin{tikzpicture}
1174        \node[
1175          circle,
1176          text=white,
1177          minimum size=\cvPictureWidth,
1178          path picture={
1179            \node at (path picture bounding box.center){
```

```
1180            \includegraphics[width=\cvPictureWidth]{#3}
1181         };
1182      }]
1183      {};
1184    \end{tikzpicture}\\
1185  }
1186  {\LARGE
1187  \vspace{\cvIDNameSep}
1188  #1
1189  \vspace{\cvIDNameSep}
1190  #2}
1191
1192  \vspace{\cvPositionSep}
1193
1194  \@IfNoValueOrEmptyTF{#4}{}{\color{cvAccent} #4}
1195
1196  \vspace{\cvPositionSep}
1197  {\globaldefs=1\relax\pgfkeys{/@cv/info/first name = %
1198    #1}\def\cv@FirstNameLetter{\extract{#1}{1}}}
1199  {\globaldefs=1\relax\pgfkeys{/@cv/info/last name = %
1200    #2}\def\cv@LastNameLetter{\extract{#2}{-1}}}
1201  {\globaldefs=1\relax\pgfkeys{/@cv/info/position = %
1202    #4}\def\cv@PositionLetter{\extract{#4}{-1}}}
1203 }
```