Day 03: LaTeX Templates (CV and Beamer)

Mason del Rosario

LaTeX101

September 2021

- **Adapted from** – https://www.learnlatex.org/.
  - Day 1 – `learnlatex.org` lessons 1-6 (**Done!**)
  - Day 2 – `learnlatex.org` lessons 7-12 (**Done!**)
  - Day 3 – LaTeXtemplates (CV/resume, beamer presentations).
- **Slides Available** – https://github.com/mdelrosa/latex-101.
  - Template based on Clara Pavillet's Oxford Template
- **Slack back channel**
  - UC Davis Slack channel

Outline

Templates

CV/Resume Template

Beamer Template

Templates

Browsing for templates, uploading projects

Templates

- Writing documents from scratch is time-consuming, difficult.
- Instead, use templates!

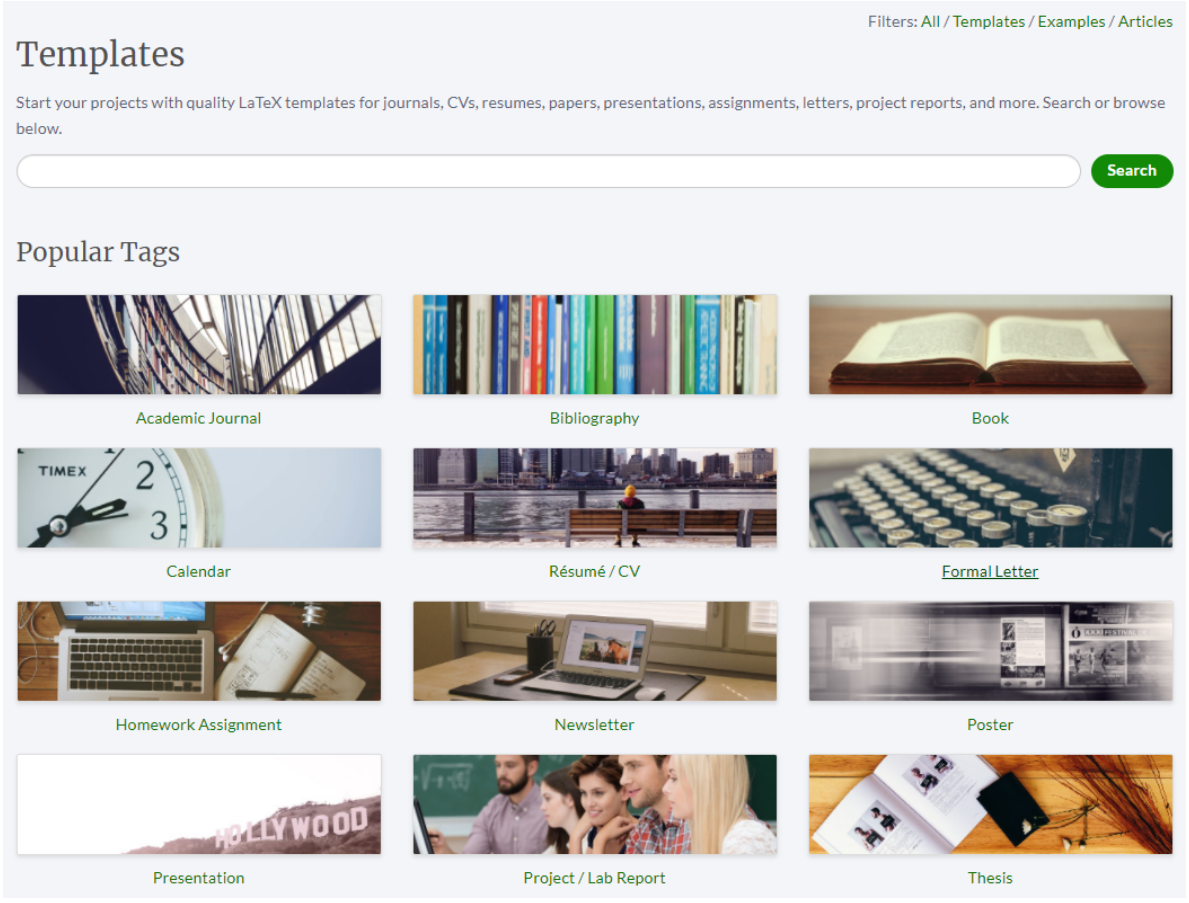


Figure 1: Template categories on Overleaf.

For academic journals, some official templates are available.

Figure 2: Academic journal templates on Overleaf.

Uploading projects

Can also upload a LaTeX project as a `.zip` file

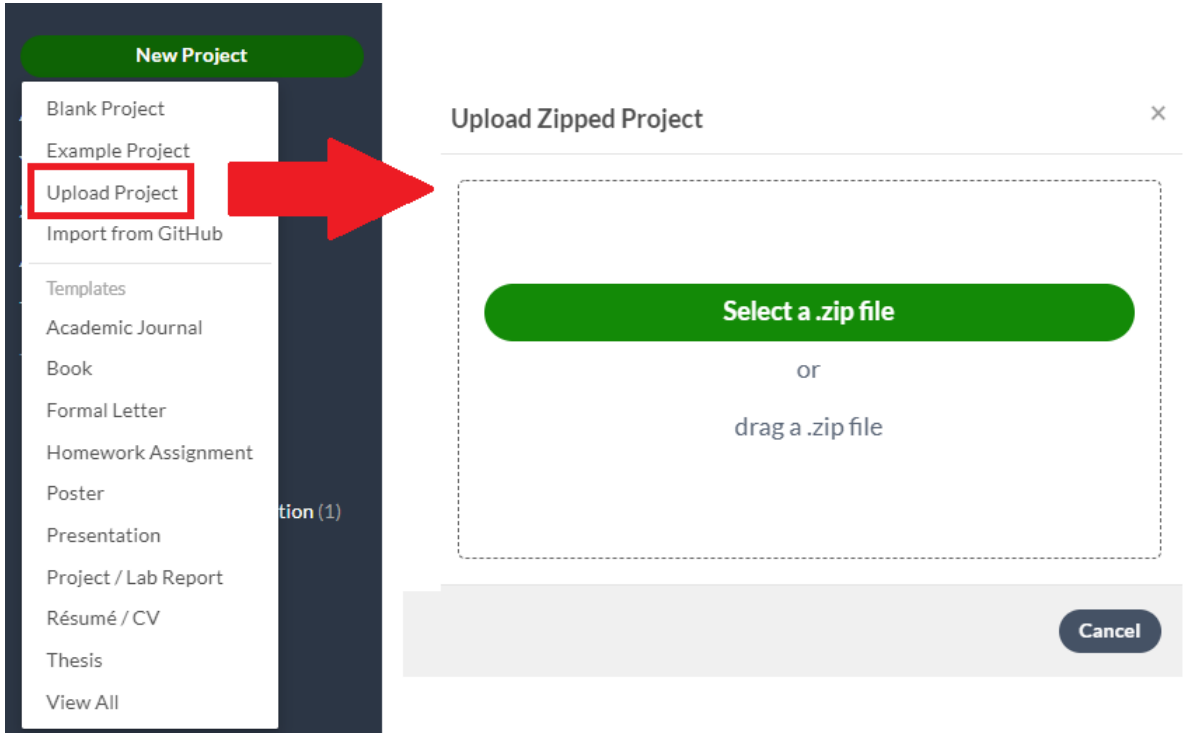


Figure 3: "New Project" → "Upload project".

CV/Resume Template

Templates for Today

Today, we'll work through a few templates.

1. Go to `https://github.com/mdelrosa/latex101/releases`
2. Find the latest release
3. Download `CV.zip` and `davis_beamer_template.zip`

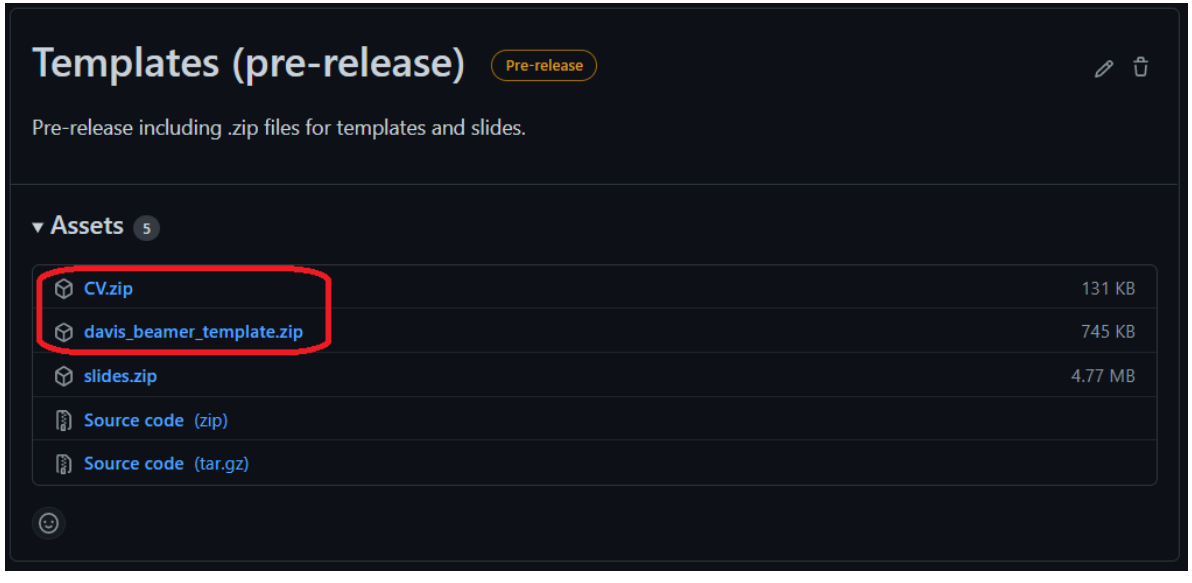


Figure 4: `.zip` files for today's exercises.

Uploading the CV project

Let's check out the CV project!

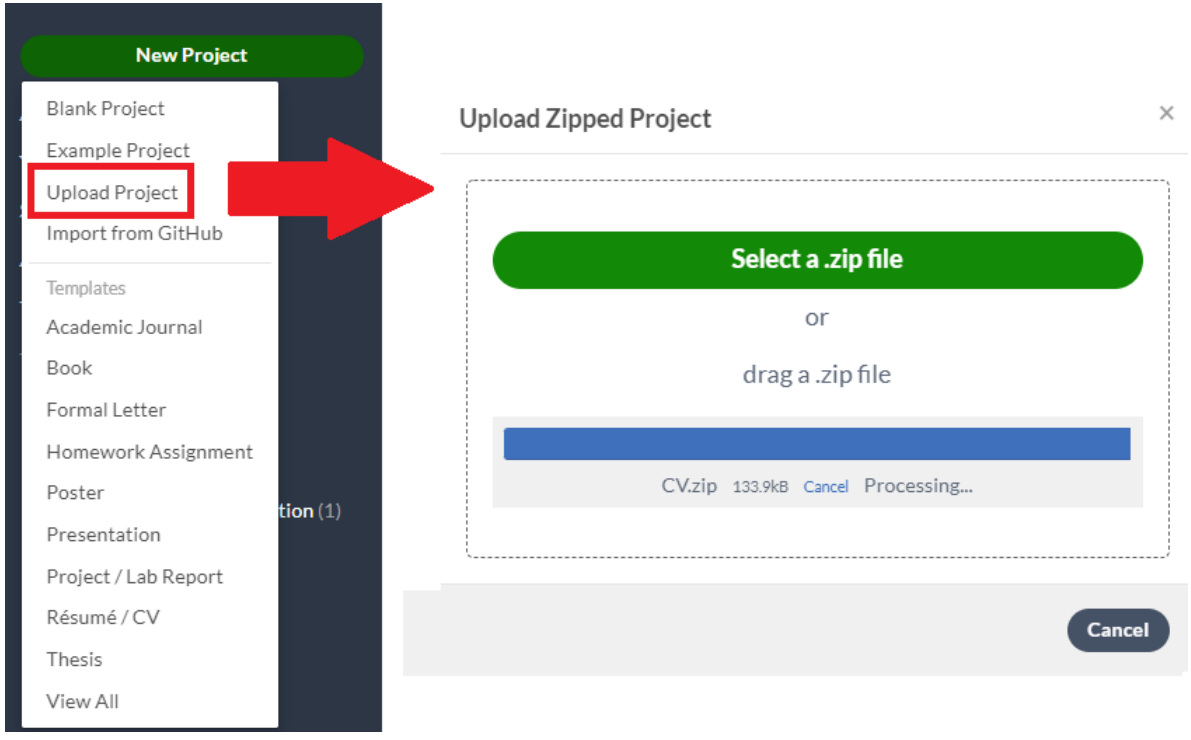
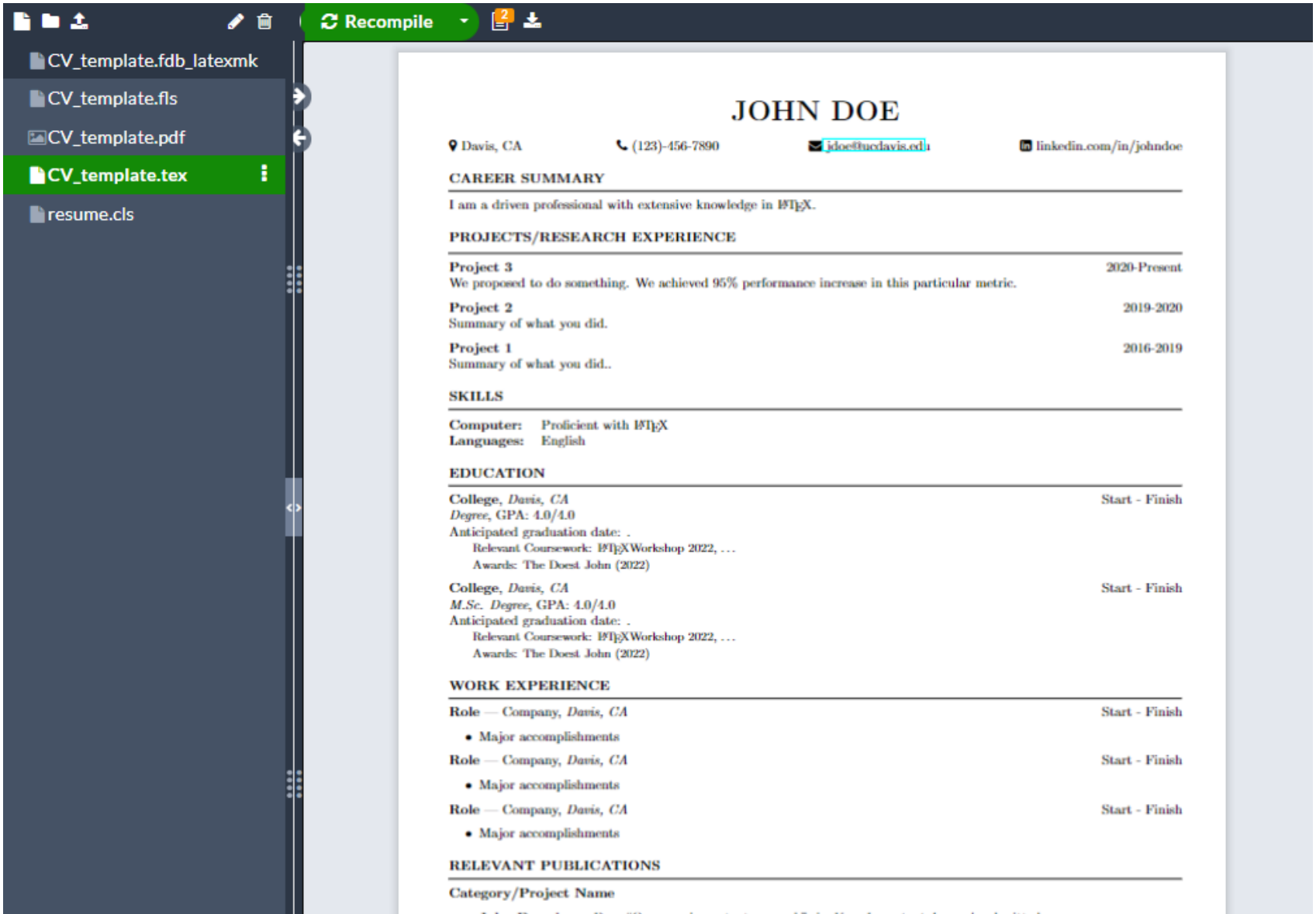


Figure 5: Uploading our CV project.

Project includes multiple files (`.tex`, `.cls`)



`.cls` files define custom document classes.

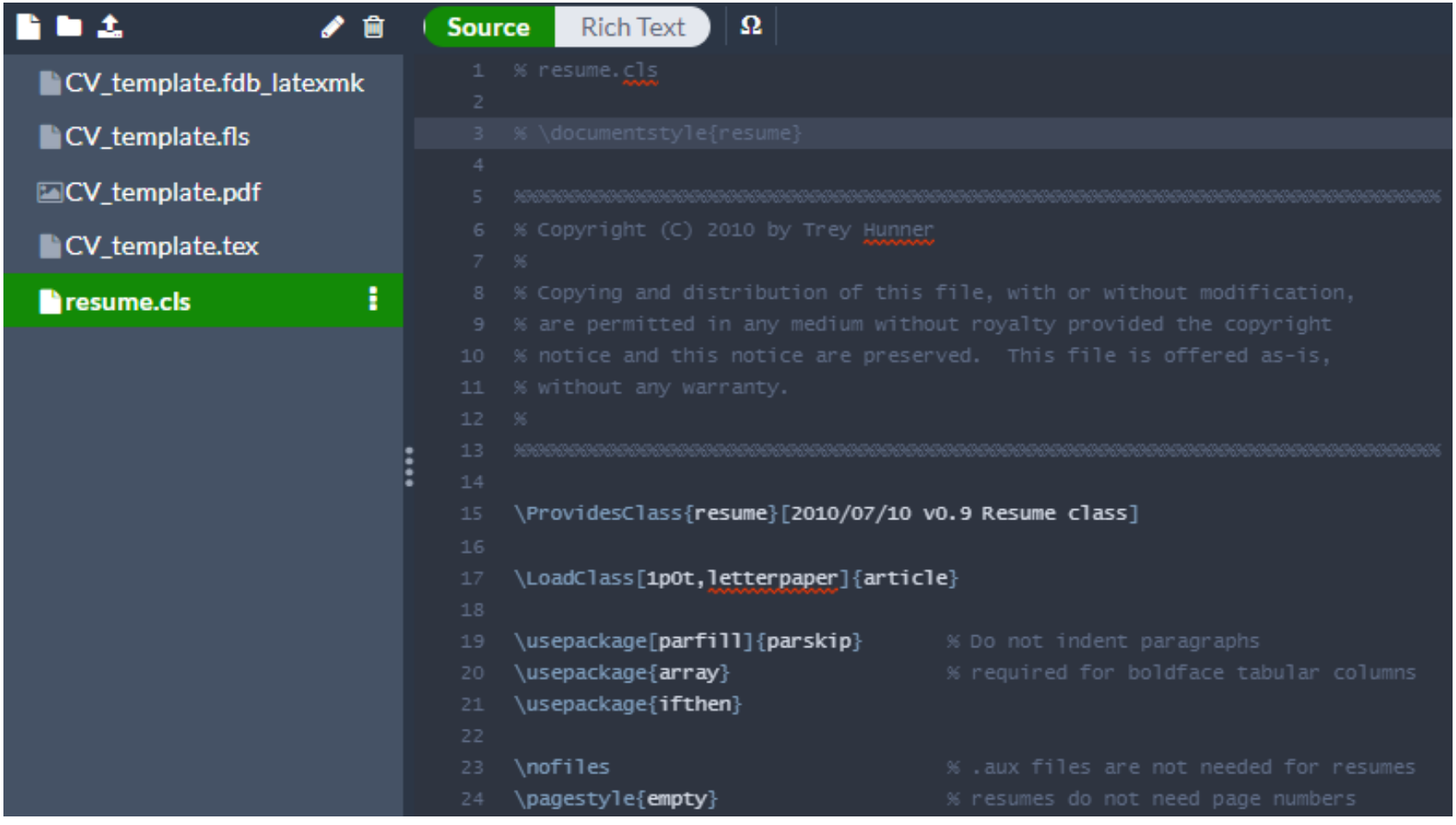


Figure 7: The `resume.cls` file in the CV project.

\documentclass imports the custom class from the .cls file.

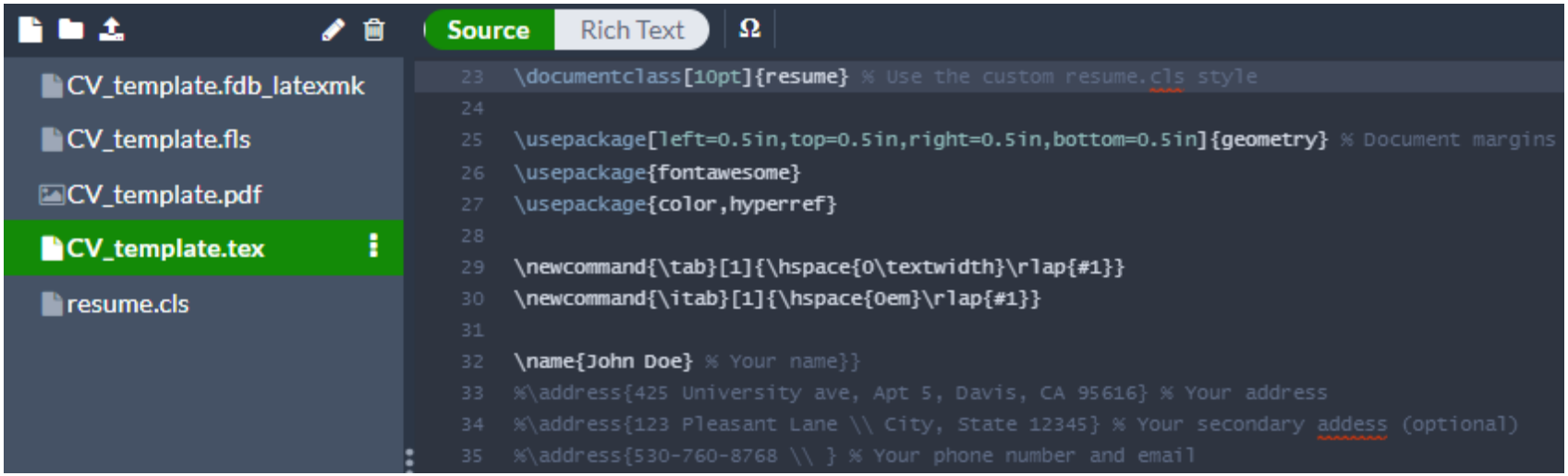


Figure 8: Importing resume from resume.cls.

- `\fa` commands define icons.
- `\hfill` creates horizontal whitespace to fill current line

```
\name{John Doe} % Your name

\begin{document}
\vspace*{-5mm}
\begin{center}
\faMapMarker~Davis, CA \hfill
\faPhone~(123)-456-7890\hfill
\faEnvelope~\href{mailto:jdoe@ucdavis.edu}{jdoe@ucdavis.edu}\hfill %this generates an hyperlink to your email in the PDF
\faLinkedinSquare~linkedin.com/in/johndoe
\end{center}
```

Figure 9: CV header with icons for contact information.

- `\rSection`: custom `Section` environment.

```
46  %-----------------------------------------------------------------------
47  %   CAREER SUMMARY SECTION
48  %-----------------------------------------------------------------------
49  \vspace*{-2mm}
50  \begin{rSection}{Career Summary}
51  I am a driven professional with extensive knowledge in \LaTeX.
52  \end{rSection}
```

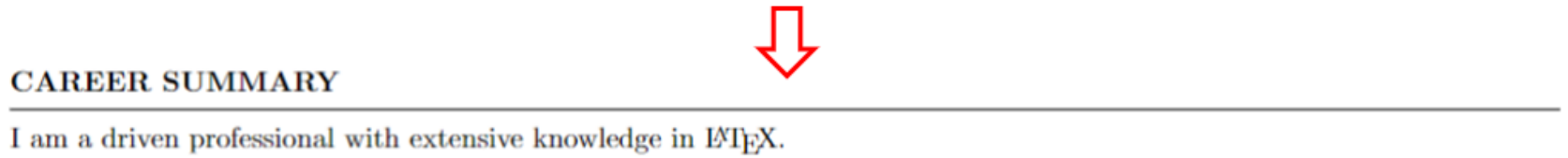


Figure 10: CV summary with an `rSection` environment.

```
%-----------------------------------------------------------------------------
%   RESEARCH EXPERIENCE SECTION
%-----------------------------------------------------------------------------
\vspace*{-2mm}
\begin{rSection}{Projects/Research Experience}
    {\bf Project 3} \hfill 2020-Present\\
    We proposed to do something. We achieved 95\% performance increase in this particular metric.

    {\bf Project 2} \hfill 2019-2020\\
    Summary of what you did.

    {\bf Project 1} \hfill 2016-2019\\
    Summary of what you did..

\end{rSection}
```

PROJECTS/RESEARCH EXPERIENCE

Project 3 2020-Present
We proposed to do something. We achieved 95% performance increase in this particular metric.

Project 2 2019-2020
Summary of what you did.

Project 1 2016-2019
Summary of what you did..

Figure 11: CV `rSection` for projects/research.

- `@{text}`: Inserts 'text' in every row.
- `>{\bfseries}`: Applies bold face to entire column.
- `\hspace{3ex}`: `ex` denotes horizontal size of 'x' in the given font.

```
71  %-----------------------------------------------------------------------
72  %   SKILLS SECTION
73  %-----------------------------------------------------------------------
74  \vspace*{-2mm}
75  \begin{rSection}{Skills}
76      \begin{tabular}{ @{} >{\bfseries}l @{\hspace{3ex}} l }
77          Computer: & Proficient with \LaTeX\\
78          Languages: & English
79      \end{tabular}
80  \end{rSection}
```

SKILLS

Computer:	Proficient with LaTeX
Languages:	English

Figure 12: CV `rSection` for skills.

```
85  %-------------------------------------------------------------------------
86  %   EDUCATION SECTION
87  %-------------------------------------------------------------------------
88  \vspace*{-2mm}
89  \begin{rSection}{Education}
90      {\bf College}, \emph{Davis, CA} \hfill {Start - Finish}\\
91      \emph{Degree}, GPA: 4.0/4.0\\
92      Anticipated graduation date: .\\
93      \hspace*{5mm} {\small Relevant Coursework: \LaTeX Workshop 2022, \ldots}\\
94      \hspace*{5mm} {\small Awards: The Doest John (2022)}
95
96      {\bf College}, \emph{Davis, CA} \hfill {Start - Finish}\\
97      \emph{M.Sc. Degree}, GPA: 4.0/4.0\\
98      Anticipated graduation date: .\\
99      \hspace*{5mm} {\small Relevant Coursework: \LaTeX Workshop 2022, \ldots}\\
100     \hspace*{5mm} {\small Awards: The Doest John (2022)}
101
102 \end{rSection}
```

EDUCATION

College, *Davis, CA* Start - Finish
Degree, GPA: 4.0/4.0
Anticipated graduation date: .
Relevant Coursework: LaTeXWorkshop 2022, ...
Awards: The Doest John (2022)

College, *Davis, CA* Start - Finish
M.Sc. Degree, GPA: 4.0/4.0
Anticipated graduation date: .
Relevant Coursework: LaTeXWorkshop 2022, ...
Awards: The Doest John (2022)

Figure 13: CV `rSection` for education.

```
%-------------------------------------------------------------------------
%   WORK EXPERIENCE SECTION
%-------------------------------------------------------------------------
\newpage
\begin{rSection}{Work Experience}
    {\bf Role} | Company, \emph{Davis, CA} \hfill {Start - Finish}
    \begin{itemize}
        \item{Major accomplishments}
    \end{itemize}
    {\bf Role} | Company, \emph{Davis, CA} \hfill {Start - Finish}
    \begin{itemize}
        \item{Major accomplishments}
    \end{itemize}{\bf Role} | Company, \emph{Davis, CA} \hfill {Start - Finish}
\begin{itemize}
\item{Major accomplishments}
\end{itemize}
\end{rSection}
```

WORK EXPERIENCE

Role — Company, *Davis, CA* Start - Finish

- Major accomplishments

Role — Company, *Davis, CA* Start - Finish

- Major accomplishments

Role — Company, *Davis, CA* Start - Finish

- Major accomplishments

Figure 14: CV `rSection` for work experience.

CV project: Publications


```
%-----------------------------------------------------------------------
%   PUBLICATIONS
%-----------------------------------------------------------------------
\vspace*{-2mm}
\begin{rSection}{Relevant Publications\hspace*{65mm} }
    {\bf Category/Project Name}
    \begin{itemize}
        \item \textbf{John Doe}, James Doe, ``Our very important research", in \textit{Very Important Journal}, submitted.
    \end{itemize}
    {\bf Category/Project Name}
    \begin{itemize}
        \item Jean Doe, \textbf{John Doe}, ``A paper where I was second author", in \textit{Important Journal}, vol. 1, pp. 1-3, 2022.
    \end{itemize}
\end{rSection}
```

RELEVANT PUBLICATIONS

Category/Project Name

- **John Doe**, James Doe, "Our very important research", in *Very Important Journal*, submitted.

Category/Project Name

- Jean Doe, **John Doe**, "A paper where I was second author", in *Important Journal*, vol. 1, pp. 1-3, 2022.

Figure 15: CV `rSection` for publications.

Beamer Template

Slide decks for academic presentations.

End of Day 3

- Lessons 1-12 from `learnlatex.org`
- Today: Templates (Resume/CV, Beamer)

References