

Day 03: L^AT_EX Templates (CV and Beamer)



Mason del Rosario
L^AT_EX101

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 – \LaTeX templates (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

Templates

CV/Resume Template

Beamer Template

Templates

Browsing for templates, uploading projects

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

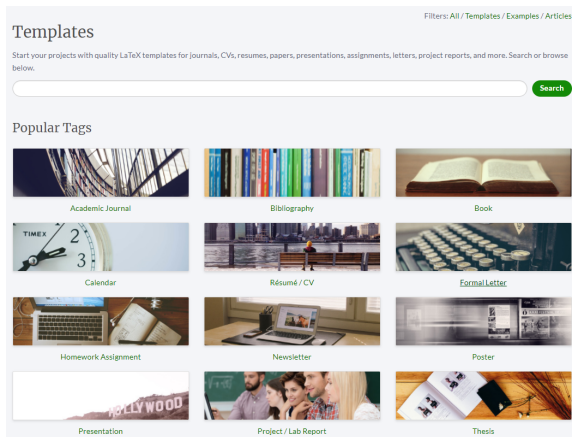


Figure 1: Template categories on Overleaf.

For academic journals, some official templates are available.

Templates — Academic Journal

Templates tagged Academic Journal

[Show all Templates](#)

Here we provide a selection of academic journal templates for articles and papers which automatically format your manuscripts in the style required for submission to that journal. Thanks to the partnerships we're building within the publishing community, you can also now submit your paper directly to a number of journals and other editorial and review services via the publish menu in the editor.

Filters: [All](#) / [Templates](#) / [Examples](#) / [Articles](#)



Open Geomechanics Template

This is the official template for papers to be submitted to Open Geomechanics.



PNAS Nexus Official

This is a template and guide for preparing papers for PNAS Nexus. Oxford University Press



Association for Computing Machinery... Official

This is a sample file for ACM large trim, single column. Association for Computing Machinery (ACM)

Figure 2: Academic journal templates on Overleaf.

Can also upload a L^AT_EX project as a .zip file

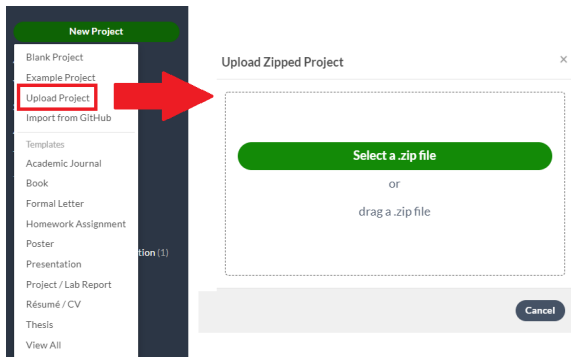


Figure 3: “New Project” → “Upload project”.

CV/Resume Template

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.

Let's check out the CV project!

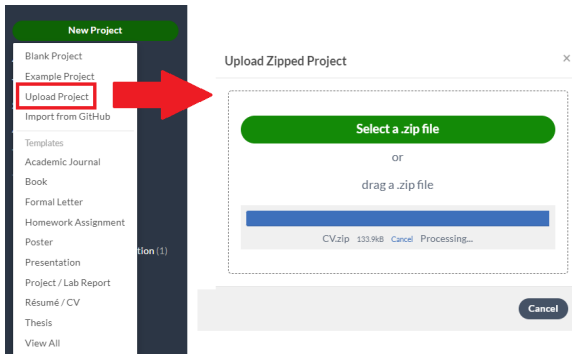


Figure 5: Uploading our CV project.

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

The screenshot shows a LaTeX Beamer presentation of a CV template. The left sidebar lists the following files: `CV_template.fdb_latexmk`, `CV_template.fls`, `CV_template.pdf`, `CV_template.tex` (selected), and `resume.cls`. The main content area displays the CV for John Doe, with the following sections:

- JOHN DOE**
 - Location: Davis, CA
 - Phone: (123)-456-7890
 - Email: jdoe@ucdavis.edu
 - LinkedIn: [linkedin.com/in/johndoe](https://www.linkedin.com/in/johndoe)
- CAREER SUMMARY**

I am a driven professional with extensive knowledge in \LaTeX .
- PROJECTS/RESEARCH EXPERIENCE**

Project	Duration
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..	
- SKILLS**

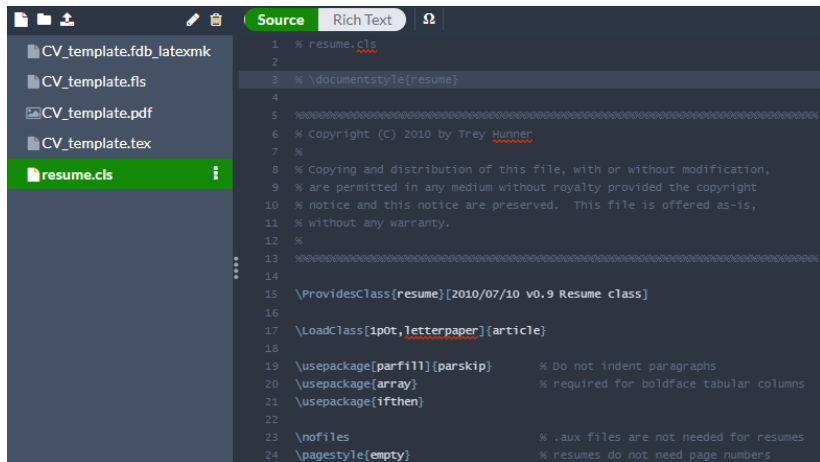
Computer:	Proficient with \LaTeX
Language:	English
- EDUCATION**

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

Category/Project Name

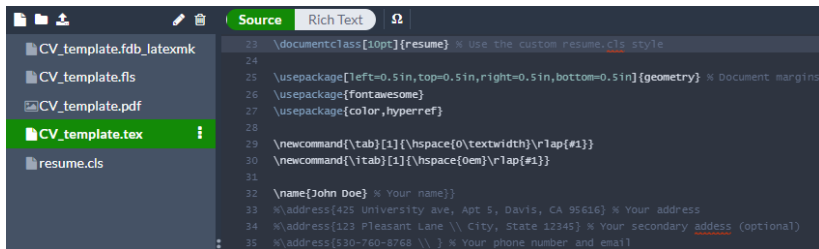
.cls files define custom document classes.

A screenshot of a LaTeX editor interface. On the left is a file explorer showing a project directory with files: CV_template.fdb_latexmk, CV_template.fls, CV_template.pdf, CV_template.tex, and resume.cls (which is selected and highlighted in green). The main editor area shows the source code of resume.cls. The code includes a header comment, a document style declaration, a copyright notice, a license statement, a class definition, and package loading instructions. Line numbers 1 through 24 are visible on the left side of the code editor.

```
1 % resume.cls
2
3 % \documentstyle{resume}
4
5 %=====
6 % Copyright (C) 2010 by Trey Hunner
7 %
8 % Copying and distribution of this file, with or without modification,
9 % are permitted in any medium without royalty provided the copyright
10 % notice and this notice are preserved. This file is offered as-is,
11 % without any warranty.
12 %
13 %=====
14
15 \ProvidesClass{resume}[2010/07/10 v0.9 Resume class]
16
17 \LoadClass[10pt,letterpaper]{article}
18
19 \usepackage[parfill]{parskip} % Do not indent paragraphs
20 \usepackage{array} % required for boldface tabular columns
21 \usepackage{ifthen}
22
23 \nofiles % .aux files are not needed for resumes
24 \pagestyle{empty} % resumes do not need page numbers
```

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

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



```
23 \documentclass[10pt]{resume} % Use the custom resume.cls style
24
25 \usepackage[left=0.5in,top=0.5in,right=0.5in,bottom=0.5in]{geometry} % Document margins
26 \usepackage{fontawesome}
27 \usepackage{color,hyperref}
28
29 \newcommand{\tab}[1]{\hspace{0\textwidth}\rlap{\#1}}
30 \newcommand{\itab}[1]{\hspace{0em}\rlap{\#1}}
31
32 \name{John Doe} % Your name}}
33 %\address{425 University Ave, Apt 5, Davis, CA 95616} % Your address
34 %\address{123 Pleasant Lane \ City, State 12345} % Your secondary address (optional)
35 %\address{530-760-8768 \ } % Your phone number and email
```

Figure 8: Importing resume from resume.cls.

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

```
32 \name{John Doe} % Your name
33
34 \begin{document}
35 \vspace*{-5mm}
36 \begin{center}
37 \faMapMarker~Davis, CA \hfill
38 \faPhone~(123)-456-7890\hfill
39 \faEnvelope~\href{mailto:jdoe@ucdavis.edu}{jdoe@ucdavis.edu}\hfill %this generates an hyperlink
   to your email in the PDF
40 \faLinkedinSquare~linkedin.com/in/johndoe
41 \end{center}
```



JOHN DOE

📍 Davis, CA

☎ (123)-456-7890

✉ jdoe@ucdavis.edu

🌐 [linkedin.com/in/johndoe](https://www.linkedin.com/in/johndoe)

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}
```



CAREER SUMMARY

I am a driven professional with extensive knowledge in \LaTeX .

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

```
54 %-----
55 %   RESEARCH EXPERIENCE SECTION
56 %-----
57 \vspace*{-2mm}
58 \begin{rSection}{Projects/Research Experience}
59   {\bf Project 3} \hfill 2020-Present\\
60   We proposed to do something. We achieved 95\% performance increase in this particular metric.
61
62   {\bf Project 2} \hfill 2019-2020\\
63   Summary of what you did.
64
65   {\bf Project 1} \hfill 2016-2019\\
66   Summary of what you did..
67
68 \end{rSection}
```



PROJECTS/RESEARCH EXPERIENCE

Project 3 We proposed to do something. We achieved 95% performance increase in this particular metric.	2020-Present
Project 2 Summary of what you did.	2019-2020
Project 1 Summary of what you did..	2016-2019

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

Figure 13: CV `rSection` for education.

```

104 %-----
105 %   WORK EXPERIENCE SECTION
106 %-----
107 \newpage
108 \begin{rSection}{Work Experience}
109   {\bf Role} | Company, \emph{Davis, CA} \hfill {Start - Finish}
110 \begin{itemize}
111   \item{Major accomplishments}
112 \end{itemize}
113   {\bf Role} | Company, \emph{Davis, CA} \hfill {Start - Finish}
114 \begin{itemize}
115   \item{Major accomplishments}
116 \end{itemize}{\bf Role} | Company, \emph{Davis, CA} \hfill {Start - Finish}
117 \begin{itemize}
118   \item{Major accomplishments}
119 \end{itemize}
120 \end{rSection}

```



WORK EXPERIENCE

Role — Company, <i>Davis, CA</i>	Start - Finish
• Major accomplishments	
Role — Company, <i>Davis, CA</i>	Start - Finish
• Major accomplishments	
Role — Company, <i>Davis, CA</i>	Start - Finish
• Major accomplishments	

Figure 14: CV `rSection` for work experience.

```
119 %-----
120 % PUBLICATIONS
121 %-----
122 \vspace*[-2mm]
123 - \begin{rSection}{Relevant Publications\hspace*{65mm} }
124   {\bf Category/Project Name}
125 - \begin{itemize}
126   | \item \textbf{John Doe}, James Doe, "Our very important research", in \textit{Very Important Journal}, submitted.
127   | \end{itemize}
128   {\bf Category/Project Name}
129 - \begin{itemize}
130   | \item Jean Doe, \textbf{John Doe}, "A paper where I was second author", in \textit{Important Journal}, vol. 1, pp. 1-3, 2022.
131   | \end{itemize}
132 \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.

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

