

# CSCI 318 LaTeX Presentation: Resume Building

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# Why should you use LaTeX for making resumes?

- Provides clean and professional formatting
- Easier to customize and layout than word
- Many templates online make it very easy to build
- Easier to be scanned by Applicant Tracking System (ATS) when submitting your resume
- LATEX is the industry standard among most schools and companies

# How to setup LaTeX resume

## How to start:

1. Install LaTeX (Overleaf or MikTeX)
2. Start from scratch or use a template online
3. Modify parts to fit your skills/qualities

Overleaf is the most popular online LaTeX editor allowing you to collaborate with others.

# Formatting and Design Tips

## What it should look like

### What makes a resume look good?

- Choose a professional font (ex. Helvetica, Times New Roman)
- Good spacing between sections and keeping margins standard
- Use consistent font sizes and styles
- Avoid excessive graphics or colors

<b>FIRST LAST</b> 123 Street Name, Town, State 12345 📞 123-456-7890 ✉ email@gmail.com 🌐 linkedin.com/in/username 📧 github.com/username	
<b>Education</b>	
State University Bachelor of Science in Computer Science	Sep. 2017 – May 2021 City, State
<b>Relevant Coursework</b>	
• Data Structures • Software Methodology • Algorithm Analysis • Database Management • Artificial Intelligence • Internet Technology • System Programming • Computer Architecture	
<b>Experience</b>	
<b>Electronics Company</b> Software Engineer Intern	May 2020 – August 2020 City, State
• Developed a service to automatically perform a set of unit tests daily on a product in development in order to decrease time needed for team members to identify and fix bugs/errors.	
• Incorporated scripts using Python and PowerShell to aggregate XML test results into an organized format and to load the latest build code onto the hardware, so that daily testing can be performed.	
• Utilized Jenkins to provide a continuous integration service in order to automate the entire process of loading the latest build code and test files, running the tests, and generating a report of the results once per day.	
• Explored ways to visualize and send a daily report of test results to team members using HTML, JavaScript, and CSS.	
<b>Startup, Inc.</b> Front End Developer Intern	May 2019 – August 2019 City, State
• Assisted in development of the front end of a mobile application for iOS/Android using Dart and the Flutter framework.	
• Worked with Google Firebase to manage user inputted data across multiple platforms including web and mobile apps.	
• Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.	
• Utilized Android Studio as a development environment in order to simulate the application in both iOS and Android.	
<b>Projects</b>	
<b>Gym Reservation Bot</b>   Python, Selenium, Google Cloud Console	January 2021
• Developed an automatic bot using Python and Google Cloud Console to register myself for a class at my school gym.	
• Implemented Selenium to create an instance of Chrome in order to interact with the correct elements of the web page.	
• Created a Linux virtual machine to run on Google Cloud so that the program is able to run everyday from the cloud.	
• Used Cron to schedule the program to execute automatically at 11 AM every morning so a reservation is made for me.	
<b>Ticket Price Calculator App</b>   Java, Android Studio	November 2020
• Created an Android application using Java and Android Studio to calculate ticket prices for trips to universities in NYC.	
• Presented user inputted information in the background of the app to return a calculated price based on the tickets selected.	
• Utilized the layout editor to create a UI for the application in order to allow different screens to interact with each other.	
<b>Transaction Management GUI</b>   Java, Eclipse, JUnitFX	October 2020
• Designed a sample banking transaction system using Java to simulate the common functions of using a bank account.	
• Used JUnitFX to create a GUI that supports actions such as creating an account, deposit, withdrawal, list all accounts, etc.	
• Implemented object-oriented programming practices such as inheritance to create different account types and databases.	
<b>Technical Skills</b>	
<b>Languages:</b> Python, Java, C#, HTML/CSS, JavaScript, SQL <b>Developer Tools:</b> VS Code, Eclipse, Google Cloud Platform, Android Studio <b>Technologies/Frameworks:</b> Linux, Jenkins, GitLab, JUnit, Mockito	
<b>Leadership / Extracurricular</b>	
<b>Fraternity</b> President	Spring 2020 – Present University Name
• Achieved a 4 star fraternity ranking by the Office of Fraternity and Society Affairs (highest possible ranking).	
• Managed executive board of 5 members and ran weekly meetings to ensure program is successful parts of the chapter.	
• Led chapter of 30+ members to work towards goals that improve and promote community service, academics, and safety.	

Recruiters usually spend 6-7 seconds looking at your resume, make your resume clear and concise

We'll go over four important sections  
to include in your resume  
(using my resume as an example)

# Header Section of Your Resume





## Code Snippet:

```
\begin{center}
{\huge \scshape \textbf{Ahren Agatep}} \\ \vspace{5pt}
Address, Town, New York Zip Code \\ \vspace{5pt} % address would be here
\small \raisebox{-0.1\height}{\faPhone} 516-697-2590 ~ \href{lahren7@gmail.com}
{\raisebox{-0.2\height}{\faEnvelope} \underline{lahren7@gmail.com}} ~
\href{https://linkedin.com/in/ahrenagatep/}{\raisebox{-0.2\height}{\faLinkedin}
\underline{linkedin.com/in/ahrenagatep}} ~
\href{https://github.com/ahrenagatep}{\raisebox{-0.2\height}{\faGithub}
\underline{github.com/ahrenagatep}}
\vspace{-8pt}
\end{center}
```

## Compiled Output:

**Ahren Agatep**

Address, Town, New York Zip Code

 516-697-2590    [lahren7@gmail.com](mailto:lahren7@gmail.com)    [linkedin.com/in/ahrenagatep](https://linkedin.com/in/ahrenagatep)    [github.com/ahrenagatep](https://github.com/ahrenagatep)

- Include: name, address, contact info (LinkedIn/Email/Phone), online portfolio to showcase projects (GitHub)
- Be sure to embed the links to your profile into each contact info

# Education and Skills Section of Your Resume

## Code Snippet:

```
%-----EDUCATION-----
\section{Education}
  \resumeSubHeadingListStart
  \resumeSubheading
    {New York Institute of Technology}{College of Engineering and Computer Sciences}
    {Bachelor of Science in Computer Science}{Sept. 2023 -- May 2027}

  \resumeSubHeadingListEnd
  \textbf{Relevant Coursework}{: Data Structures, Computer Programming I and II,
Computer Organization and Architecture,
Elements of Discrete Structures} \\\

%-----PROGRAMMING SKILLS-----
\section{Technical Skills}
\begin{itemize}[leftmargin=0.15in, label={}]
  \small{\item{
    \textbf{Languages}{: Python, Java, HTML, CSS, JavaScript, React.js} \\\
    \textbf{Developer Tools}{: VS Code, IntelliJ, GitHub, GitBash, Google AI Studio}
    \\\
    \textbf{Design Tools}{: Canva, Figma} \\\
  }}
\end{itemize}
\vspace{-1.6pt}
```

## Compiled Output:

### Education

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New York Institute of Technology

College of Engineering and Computer Sciences

*Bachelor of Science in Computer Science*

*Sept. 2023 – May 2027*

**Relevant Coursework:** Data Structures, Computer Programming I and II, Computer Organization and Architecture, Elements of Discrete Structures

### Technical Skills

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**Languages:** Python, Java, HTML, CSS, JavaScript, React.js

**Developer Tools:** VS Code, IntelliJ, GitHub, GitBash, Google AI Studio

**Design Tools:** Canva, Figma

- Include: university and college name, degree, graduation date, relevant coursework, and GPA
- For Technical Skills: languages and frameworks you are fluent in

# Project Section of Your Resume

## Code Snippet:

```
%-----PROJECTS-----
\section{Projects}
  \vspace[-5pt]
  \resumeSubHeadingListStart
  \resumeProjectHeading
    [{\href{https://github.com/abdullkhan/everWealth}{\textbf{EverWealth}}} $1$ \emph{HTML,
    CSS, JavaScript, Java}}{Feb. 2025}
  \resumeItemListStart
    \resumeItem{Developed a fintech web application for HackNYU 2025 that rounds up
    transactions and invests spare change based on user-selected risk levels.}
    \resumeItem{Integrated Capital One's Nessie API to simulate real-world financial
    transactions, enabling users to track investment contributions using mock data.}
    \resumeItem{Designed and developed the frontend using JavaScript, HTML, and CSS,
    creating an intuitive and responsive UI for tracking rounded-up investments.}
    \resumeItem{Collaborated in a team to design and implement core investment logic,
    ensuring seamless transaction processing and risk-based allocation of funds.}
  \resumeItemListEnd
```

## Compiled Output:

### Projects

EverWealth | *HTML, CSS, JavaScript, Java*

Feb. 2025

- Developed a fintech web application for HackNYU 2025 that rounds up transactions and invests spare change based on user-selected risk levels.
- Integrated Capital One's Nessie API to simulate real-world financial transactions, enabling users to track investment contributions using mock data.
- Designed and developed the frontend using JavaScript, HTML, and CSS, creating an intuitive and responsive UI for tracking rounded-up investments.
- Collaborated in a team to design and implement core investment logic, ensuring seamless transaction processing and risk-based allocation of funds.

- Include: project description, languages and frameworks you used in the project, date of project
- Explain what contributions you made to the project and its result
- Include GitHub repositories or demo links embedded into the resume



In summary:

- LaTeX is a great tool for making clean and professionally formatted resumes
- We covered key sections of the resume, such as: header, education, skills, and projects

Why LaTeX?

- It ensures consistency, flexibility, and gives a professional look
- More favorable during the job application process by companies (ATS and recruiters)

**End of Presentation**