

# ALEX YOUNG

Davis, CA

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🌐 <https://axyoung.github.io>

## Education

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### Oregon State University

Sep. 2018 – June 2022

*Bachelor of Science in Computer Science – Graduated June 2022 – GPA: 3.86/4.00*

*Corvallis, Oregon*

### UC Davis

Sep. 2022 – Current

*Working towards MS in Computer Science – GPA: 3.88/4.00*

*Davis, California*

## Relevant Coursework

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|-------------------------|---------------------------|-------------------------|-------------------------|
| • Data Structures       | • Digital Logic Design    | • Assembly              | • Machine Learning      |
| • Software Engineering  | • Databases               | • Computer Architecture | • Programming Languages |
| • Web Development       | • Analysis of Algorithms  | • Computer Graphics     | • Probability Models    |
| • Theory of Computation | • Computer Security       | • Translators           |                         |
| • Discrete Mathematics  | • Computer Networks       | • Cloud Applications    |                         |
| • Operating Systems     | • Artificial Intelligence | • Parallel Programming  |                         |

## Relevant Experience

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### Teaching Assistant

UC Davis

*ECS 034 | Software Development in UNIX and C++*

*Fall 2022*

- Teaching assistant UC Davis. Responsible for interactive grading, online discussions, and office hours.

## Projects

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**smallsh** | *C, Visual Studio Code*

February 2021

- Developed a smallsh shell using C for Operating Systems course.
- This shell provided a prompt for user inputs and processed shell commands, as well as both foreground and background processes.

**Apollo 11 Simulation Project** | *AVR assembly, Atmel Studio*

March 2021

- Developed code for calculating more advanced mathematics using assembly language to simulate the calculations used by the Apollo 11.

**Muvi App** | *JS, React, CSS*

February 2022

- Developed a web-app that uses the TMDB api to display lists of movies and their details.
- App includes extra functionalities such as login and a watchlist.
- Find more at <https://github.com/osu-cs499-w22/muvi>

**Tarpaulin API** | *JS, Docker*

June 2022

- Developed a cloud backend for the Tarpaulin app.
- Tarpaulin is a lightweight course management tool.
- This RESTful API allows users to store and see information about different courses and assignments.
- Find more at <https://github.com/osu-cs493-sp22/final-project-team-12>

**Biases in Generative AI with a focus on Education** | *Jupyter Notebook, Python, OpenAI*

June 2023

- Worked on a graduate level project related to biases in machine learning under Professor Rafatirad
- Ran generative models on test sets generated to look for biases
- Queried OpenAI models alongside other popular generative AI to investigate biases

Find more of my projects at: <https://axyoung.github.io/projects>

## Technical Skills

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**Familiar Languages:** Python, C, C++, HTML/CSS, SQL, JS

**Developer Tools:** VSCode, Notepad++, Github, Atmel Studio, Docker

## Interests

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### Computer Science

- Artificial Intelligence
- Computer Security
- Machine Learning and NLP
- Web Development