

ALEX YOUNG

Portland, OR

☎ 971-330-0904

✉ alex.shan.young@gmail.com

🌐 <https://github.com/axyoung>

🏠 <https://axyoung.github.io>

Education

UC Davis

Sep. 2022 – June 2024

Master of Science in Computer Science – Graduated June 2024 – GPA: 3.91/4.00

Davis, California

Oregon State University

Sep. 2018 – June 2022

Bachelor of Science in Computer Science – Graduated June 2022 – GPA: 3.87/4.00

Corvallis, Oregon

Relevant Coursework

- Software Engineering
- Web Development
- Theory of Computation
- Operating Systems
- Databases
- Analysis of Algorithms
- Computer Security
- Computer Networks
- Artificial Intelligence
- Assembly
- Computer Architecture
- Compilers
- Cloud Applications
- Parallel Programming
- Machine Learning
- Programming Languages

Relevant Experience

Teaching Assistant

UC Davis

ECS 034 | Software Development in UNIX and C++

Fall 2022 - Winter 2023

- Teaching assistant for ECS 34 at UCDavis. Responsible for interactive grading, online discussions, office hours and lecturing.

ECS 171 | Machine Learning

Spring 2024

- Teaching assistant for ECS 171 at UCDavis. Responsible for assignments, grading, discussions and office hours for upper division machine learning.

Graduate Student Researcher

UC Davis

Biases in LLMs | Setareh Rafatirad's Lab

Spring 2023-Spring 2024

- Worked with a team and faculty conducting research regarding NLP and LLMs. Collected and analyzed large samples of text data to investigate biases. Wrote a paper to publish results.

Technical Skills

Languages: Python, C, C++, HTML/CSS, SQL, JS, Java

Developer Tools: PyTorch, TensorFlow, VSCode, Jupyter, Github, Atmel Studio, Docker

Projects

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

June 2023

- Worked on a graduate level project focusing biases in machine learning under Professor Rafatirad.
- Ran generative models on test sets generated to look for biases.
- Queried OpenAI models alongside other generative AI such as T5 and BERT to investigate biases.

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>

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.

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.

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