

Alex Gao

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EDUCATION

University of California, Davis - *M.S. Computer Science.*

September 2024 – June 2026

University of California, San Diego - *B.S. Computer Science*

September 2020 – June 2024

- UC Regents Scholar, 3.63/4.0 GPA

TECHNICAL SKILLS

- **Languages:** Java, C, C++, C#, Python, JavaScript, HTML, CSS, Rust
- **Web and Databases:** React, Next.js, Node.js, MongoDB
- **Developer Tools:** Android Studio, Linux, Github, Docker, Visual Studio
- **Operating Systems:** Windows, MacOS, Linux (Ubuntu), iOS, Android

WORK EXPERIENCE

Graduate Student Researcher

November 2024-present

UC Davis

Davis, CA

- Developing benchmarks on Linux to analyze system performance of C vs. Rust
- Implementing CPU and memory optimizations to improve Rust performance

Software Engineering Intern

June 2024-September 2024

Intel Corporation

Folsom, CA

- Implemented a webpage in Next.js which contained all documentation for the Design Enablement team
- Automated new PDK releases with templates and added features like newsletters, team trainings
- Deployed to all blue badge employees, continually updated with Design Enablement information

Technology Chair

May 2023-May 2024

Circle K UCSD

La Jolla, CA

- Reimplemented outdated version of UCSD Circle K's website with react bootstrap
- Used React.js and Google APIs for backend information and implemented HTML/CSS for front-end
- Managed a team of programmers and graphic designers on github deployment

PROJECTS

Responsive Web Design Certification

April 2023

- Spent 300 hours of work designing and implementing HTML/CSS projects of portfolios, surveys, websites
- Certification obtained from freecodecamp.org

Birds of a Feather Application

Spring 2023

- Created an Android App for users to create profiles with their class schedules and to message nearby students
- Used Bluetooth for proximity services, Junit and Android Studio for testing and implementation
- Used Github and Zenhub for continuous integration and Agile Development Methods

COURSEWORK

Machine Learning, Artificial Intelligence: Search and Reasoning, Distributed Database Systems, Computer Security, Cryptography, Computer Architecture, Compilers, Recommender Systems