

# Alvin B. Agana

Senior CS Major Seeking Software Engineering Opportunities  
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✉ [alvin.agana@gmail.com](mailto:alvin.agana@gmail.com)

🌐 [linkedin.com/in/alvin-agana](https://www.linkedin.com/in/alvin-agana)

## Education

### B.S. Computer Science - University of California, Davis

Expected Graduation June 2022

- Overall GPA: 3.76
- **Relevant coursework:** Object-Oriented Programming, Data Structures, Discrete Mathematics, Assembly Language, Computer Architecture, Algorithms & Design, Android Development, Operating Systems
- **Activities & Societies:** Davis Computer Science Club member (*September 2020 - present*), HackDavis participant (*January 2021*)

### Ohlone Community College - Fremont, CA

August 2017 to May 2020

## Experience

### Full Stack Developer @ ASUCD Pantry - Davis, CA

March 2021 to Present

- Developed the online ordering website for ASUCD Pantry for over 40,000 students to access, serving 2,000+ food bag orders since March 2021 during the COVID-19 Pandemic
- Lead development for mobile support across all of our website's pages and prototyped new ordering page features, increasing the site's accessibility compliance by over 90%
- Managed our organization's inventory in SQL using Salesforce databases
- Wrote unit tests in Apex that increased code coverage to over 93% for several hundreds of lines of code
- Mentored 2 new members in adjusting to our team workflow which includes working with developer sandboxes, writing effective unit tests, and pushing code to production
- **Tech Stack: JavaScript, jQuery, HTML, CSS, SQL, VisualForce, Apex**

### User Experience Team Member @ ASUCD Pantry - Davis, CA

July 2021 to Present

- Working with the UX team to overhaul the user interface of our online ordering website to create a better user experience, with a focus on accessibility and responsive design
- Conducted user research on our ordering website by moderating usability testing and focus groups with 10 different people in order to better design prototypes and wireframes in Figma
- **Tech Stack: Figma**

### Student Developer @ LibreTexts - Davis, CA

May 2021 to Present

- Developing automation to fix WCAG 2.1 compliance issues for an open source accessibility checker plugin using JavaScript for a free online chemistry textbook library
- Built a "quick fix" feature that parses HTML tables to make them accessible for screen readers, saving hours of manual checking for LibreTexts staff
- Currently developing a feature for the plugin that allows creators to easily change text and background styling of text elements that do not have a 5:1 color contrast ratio
- **Tech Stack: JavaScript, HTML, CSS, CKEditor 4**

### Server @ Jen Jon's Café - Union City, CA

September 2019 to March 2020

### Math Mentor (Calculus AB) @ James Logan High School - Union City, CA

September 2016 to May 2017

## Projects

### Personal Website and Portfolio @ <https://alvin-agana.github.io/portfolio>

November 2020 to December 2020

- **Tech Stack: Python, React.js, JavaScript, HTML, CSS, Git**

## Technical Skills

Languages: Python, C++, JavaScript, HTML, CSS, SQL, Apex  
Frameworks: React, Node.js, Express.js, Flask  
Databases: MySQL  
Tools: Command Line, Git, Figma