

Ashley Chan

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Education

California State University at Fullerton
Computer Science B.S.

Aug 2022 - May 2026

- **Technical coursework:** Algorithm Engineering, File Structures and Database Systems, Software Engineering, Computer Communications, Operating System Concepts, Intro to Cybersecurity, Computer Organization and Assembly, Intro to Python, Data Structures, Object-Oriented Programming
- **GPA:** 3.53
- **Dean's List:** Spring 2023, Fall 2022

Work Experience

Google Second-Year STEP Intern | Mountain View | Go

May 2024 - Present

- Developed a microservice to aid teams across GWS in monitoring integration test workflows by leveraging protos, textprotos, Golang, internal API's and the use of other internal libraries.
- Collaborated with co-intern, hosts, and internal teams to share design concepts and gather insights.
- Developed project documentation, including design specifications and daily progress reports.

Senior Supplemental Instruction (SI) Leader | C++

Jan 2024 - Present

- Facilitated interactive and collaborative sessions to enhance students' comprehension of course material, resulting in a 10% average grade increase.
- Reinforced computer science fundamentals such as fundamental object oriented programming concepts and data structures.
- Conduct weekly meetings for 17+ other SI Leaders within the Computer Science department.
- Lead SI training for 100+ new and returning SI Leaders across 8 departments each semester.

Google First-Year STEP Intern | Mountain View | C++, SQL

May 2023 - Aug 2023

- Implemented two full C++ backend data processing pipelines for processing texts/image ads,
- Utilized internal libraries and distributed computation to efficiently query databases and generate ad embeddings, producing an advertiser asset dataset, enabling expedited experimentation and training for machine learning models.
- Ensured scalability by concurrently testing both pipelines, processing datasets ranging from 100 to 10,000 ads with processing times between 3 and 12 minutes per batch.
- Collaborated with pod and an internal team to communicate ideas and resolve conflicts.
- Documented forms of project details in a design doc along with daily individual progress.

Projects

Simplify C++: FullyHacks 2023 | HTML, CSS, JavaScript, Git

April 2023

- Collaborated with 2 other team members to create a beginner-friendly website to learn C++.
- Developed skills in HTML, CSS, Javascript, and UI/UX design.

Leadership

Association of Computing Machinery (ACM) @ CSUF
Artificial Intelligence Officer

Aug 2023 - Dec 2023

- Organized content and facilitated interactive workshops for students interested in AI.

Skills

- **Programming Languages:** Java, C++, Python, Golang, JavaScript, HTML/CSS, SQL
- **Tools:** Onshape (CAD), Git, Linux