

Aaron Tsang

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EDUCATION

University of California, Irvine – Donald Bren School of Information and Computer Sciences – GPA: 3.75/4.00 Irvine, California
Candidate for Bachelor of Science in Computer Science Anticipated Graduation: May 2025

- Relevant Courses: Machine Learning, Formal Languages and Automata, Quantum Computing, Artificial Intelligence, Data Management, Information Retrieval, Data Structures & Algorithms, Programming in C, Problem-Solving and Object-Oriented Programming, Computer Architecture, Boolean Algebra and Discrete Structures

Programming Languages and Certificates: Java, Python, C++, C, Cloud Certificate Practitioner (Udemy), API Calls (Udemy)

PROFESSIONAL EXPERIENCE

Oracle

Redwood City, California

Software Engineer Intern, Corporate Architecture

June 2024 – September 2024

- Extended test cases for Access Governance Cloud Service for organization access and event-based campaign.
- Gained high-level knowledge of Access Governance and learned about campaign features in Access Governance.

SAP (Systems, Applications, and Products in Data Processing)

Palo Alto, California

Software Engineer Intern, Tool Development

June 2023 – June 2024

- Research and train the team on how to use Xray by JIRA, a test management tool that consolidates all testing activities, such as registration, execution, and status.
- Led the migration away from EZMan, a legacy tool that has a cumbersome search feature and burdensome maintenance.
- Utilize API calls to update test executions and automatically create a test plan from spreadsheet content, thus greatly reducing human error when manually creating a test plan.

Informatica

Redwood City, California

Software Engineer Intern, Cloud Development

June 2022 – August 2022

- Set up a Docker container for Informatica Intelligent Cloud Services using the Java API to interact with microservice architecture in a multi-tenant cloud environment.
- Exposed pod-to-pod migration batch size configuration to dynamically change batch size without a SaaS restart, thus saving 3 hours in each pod failover process.
- Operated in an agile software development life cycle by participating in scrums and following a 2-week sprint schedule.

PROJECT AND RESEARCH EXPERIENCE

Polygence

Cupertino, California

Independent Research Project

July 2020 – December 2020

- Predicted health insurance costs by using Python to run a linear regression that correlates insurance cost to disparate data, such as age, gender, BMI, location, number of children, and smoking history.

LEADERSHIP AND ORGANIZATIONS

Discrete Mathematics and Boolean Algebra

Irvine, California

Reader & Learning Assistant

September 2024-Current

- Aided in helping students struggling with Boolean logic, algebra, and other computer science skills.
- Graded work of 400 students for quizzes, midterms, and finals.

Kids Who Kode

Cupertino, California

Curriculum Manager & Teacher

June 2019

- Created curriculum for intermediate Java classes covering string manipulation, arrays, data types, Scanners, linked list, array list, binary tree, and other advanced Java structures.
- Taught courses in Java and Python to 24 elementary school students.

Boy Scouts of America, Troop 466

Sunnyvale, California

Eagle Scout

June 2019

- Highest achievement in Boy Scouts; approximately 4% of scouts earn this honor.