

# RAYMOND LIN

San Jose, CA | (510)-468-8029 | [raymondzeraylin@gmail.com](mailto:raymondzeraylin@gmail.com) | <https://www.linkedin.com/in/rzlin/>

## EDUCATION

**B.S. in Computer Science, San José State University (GPA: 3.98)** Aug. 2022 – May. 2025

- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Computer Networks, Operating Systems, Information Security, Intro to Computer Systems, Linear Algebra, Discrete Math, Multivariable Calculus

## EXPERIENCE

**Google** May. 2023 – Aug. 2023  
*STEP Intern* Mountain View, CA

- Worked on the Ads EngProd team to help engineers solve latency issues on a project management internal tool
- Optimized search latency for large queries by ~10% with Regex in place of expensive function calls for ~2000 users
- Improved backend unit test reliability by resolving race conditions, decreasing the test's fail rate of 13% to 2%
- Wrote design docs for alerts and dashboards to simplify latency debugging and implemented them with Go and SQL

**San Jose State University** Aug. 2022 – Feb. 2023  
*Android Researcher* San Jose, CA

- Implemented reliable data bundling and transfer between phones with Wi-Fi Direct for algorithm testing
- Utilized the libsignal library in Java to compress selected data before transferring between devices
- Tested data bundling and transfer performance with Android Studio, simulating multiple phones in a p2p architecture
- Collaborated with a team of 7 graduate computer science students on architecture and algorithm design

**Google** Jul. 2022 – Aug. 2022  
*Computer Science Summer Institute Participant* Remote

- Collaborated with Google engineers in workshops learning HTML, CSS, Javascript and UX design
- Created a website hosting multiple arcade games on Repl.it with vanilla JavaScript, HTML and BulmaCSS
- Attended developmental workshops on the Design Process, Imposter Syndrome and Technical Interviews

## PROJECTS

**Groundhog** | *Python, Reflex, Together AI*

- Built a checkpoint-based story website with the Together AI API and Reflex, a fullstack Python framework
- Leveraged LLaMA-2 (7B) to generate background color gradients based on the current sentiment in the story
- Parallelized processes and introduced text streaming to reduce API calling times by ~30%
- Won the "**The Best Use of Together AI**", placing 1st out of 37 teams of 4 in the **CalHacks 10.0** hackathon

**RateMyProfessors.help** | *Javascript, HTML, CSS, React, Go, Python, PostgreSQL*

- Co-created a full-stack application to help users navigate ratemyprofessors.com
- Developed a RESTful API to sort the professors of a given course from highest rating to lowest
- Used React and Bulma to create a mobile-friendly, responsive frontend and Go to build the backend
- Efficiently processed ~30,000 unique courses and course details into a PostgreSQL database with Python

## EXTRACURRICULARS

**SJSU Competitive Programming Team** Aug. 2023 – Present  
*Trainer* San Jose, CA

- Hosted weekly International Collegiate Programming Contest (ICPC) practices on Codeforces questions for ~20 students
- Organized 3 hour, bi-weekly mock contests and created problem sets for the contests
- Qualified in a team of 4 to compete in the 2022 Pacific Northwest ICPC Contest

**SJSU Software and Computer Engineering Society** Aug. 2022 – Present  
*Development Team Chair* San Jose, CA

- Led a group of 5 software engineering students in designing a course scheduling tool (ClassCove)
- Built a MVP of ClassCove course search functionality and login for 9010 schools with React.js and MongoDB
- Currently rewriting ClassCove with Next.js for frontend/backend and a Supabase database

## TECHNICAL SKILLS

**Languages:** Java, Go/Golang, C++, Python, Javascript/HTML/CSS, SQL  
**Frameworks:** React, Node.js, Bootstrap CSS, MongoDB, PostgreSQL  
**Developer Tools:** Git, Linux, Bash, Visual Studio, IntelliJ, Replit