

Leo Tsunghan Lee

Linkedin: <https://www.linkedin.com/in/thl-leo/>

Github: <https://github.com/THL-Lee>

Personal Website: <https://thl-leo.vercel.app/>

Email : ltlee@usc.edu

Mobile : +1 (949) 342-4240

EDUCATION

- **University of Southern California** Los Angeles, CA
Master of Science - Computer Science, concentration in Data Science August 2023 - May 2025
- **University of California, Santa Cruz** Santa Cruz, CA
Bachelor of Science - Computer Science, GPA: 3.82 October 2020 - June 2023
Honors: Cum laude, Highest Honor in program.
Courses: Full Stack Development, Mobile Application, Analysis of Algorithms, Probability and Statistics, and Computer Networks.

SKILLS

- **Languages:** JavaScript, TypeScript, Swift, Kotlin, React Native, C (Programming Language), Python (Programming Language), SQL, Bash, C++ (Programming Language)
- **Tools:** Docker, Express.js, Node.js, GIT, XCode, Postgres, Android Studio, VS Code

EXPERIENCE

- **University of California, Santa Cruz** Santa Cruz, CA
Grader December 2021 - June 2023
 - Streamlined the process of pulling repositories from GitLab and commit IDs from Canvas by writing Bash scripts.
 - Prepared Python programs utilizing ctypes library to conduct intensive and thorough testing on assignments.
 - Reviewed proofs in details and provided comprehensive grading for assignments requiring mathematical proofs.
- **University of California, Santa Cruz** Santa Cruz, CA
Tutor March 2021 - June 2023
 - Conducted up to 10 hours of weekly office hours to provide comprehensive support to students' labs and coursework.
 - Incorporated both online and in-person sessions to break down lab assignments into achievable objectives.
 - Partnered with TAs and Tutors to provide sessions for over hundred students

ACADEMIC PROJECTS

- **Stack Clone**
Project Owner April 2023 - June 2023
 - Designed and implemented a Stack clone utilizing Kotlin, Swift, and React Native.
 - Routed API calls for optimal data retrieval and storage.
 - Performed testing on both frontend and backend components, achieving code coverage and ensuring intended functionality of all features.
- **Mail Clone**
Project Owner September 2022 - December 2022
 - Developed a Gmail replica utilizing React states and hooks to dynamically update the mail interface.
 - Integrated Material UI library to ensure a well-tested and user-friendly interface.
 - Deployed comprehensive testing on frontend, backend, and end-to-end using the React Testing Library and Puppeteer.
- **HTTP Server**
Project Owner April 2022 - June 2022
 - Created a high-performance HTTP server capable of handling CRUD requests with any files.
 - Implemented multithreading using pthread and ensured no data race occurred.