Luo Long

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EDUCATION

Santa Clara University — Santa Clara, CA

*Bachelor of Science in **Computer Science*** — *Sep. 2021 – Jun 2025*

- **Coursework:** Data Structures & Algorithms, Computer Networks, Theory of Algorithms, Embedded Systems

EXPERIENCE

Software Engineer — Apr 2024 – Present

Perfect Fit (Startup) — *Santa Clara, CA*

- Founded and built **Perfect Fit**, a full-stack virtual wardrobe platform using **HTML, React, Node.js**, and **Firebase** that generates tailored outfits with smooth data management and scalability
- Created the **Fit Finder** swiping feature using React and Firebase to improve outfit suggestions
- Constructed a Python web scraper with BeautifulSoup and a headless browser to analyze dynamic fashion images from Pinterest and Depop, greatly improving outfit recommendation accuracy
- Engineered a background removal algorithm using **Node.js and Express**, simplifying the process of uploading clothes

Software Engineer & QA Intern — Dec 2023 – Mar 2024

Undercurrent.ai (Startup) — *San Francisco, CA*

- Implemented **Kotlin REST endpoints** using Ktor for Bitcoin wallet transactions, resulting in **enhanced security and accuracy**
- Automated tests using **JUnit**, resolving critical issues such as allowing users to withdraw more money than available in their accounts.

Software Engineering Intern — Jun 2023 – Sep 2023

Studio 210 — *Norwalk, CT*

- Re-engineered **Studio 210 Website** utilizing **HTML, CSS, and JavaScript** to reduce page load time by 40% and improved reliability

PROJECTS

React Personal Portfolio | *React, Node.js, Vercel, Javascript, HTML, CSS* — Aug 2024

- Built and deployed a full-stack portfolio website using React and Vercel, ensuring seamless deployment and scalability by following **CI/CD standard procedures**
- Embedded YouTube demos using React and iframes, resulting in clear, visual demonstrations of my projects that enhance the user experience

HotSpots | *React, Node.js, Tailwind CSS, Git, Google Maps* & *INRIX API* — Nov 2023

- Developed a market intelligence tool that helps businesses decide optimal locations based on INRIX API foot traffic data coupled with Google Maps API for mapping functionalities
- Architected **full-stack application** utilizing React, Tailwind CSS, and Node.js, delivering a responsive UI and seamless **frontend-backend integration** with efficient **API handling**

SafeBronc | *React Native, Node.js, Twilio API, Google Maps Geolocation API* — Feb 2022

- Designed SafeBronc, a mobile app that enhances event safety through QR-based attendee tracking and Twilio-powered alert system, earning **4th place** at Hack4Humanity Hackathon
- Conceptualized and developed the frontend using React Native, focusing on creating an intuitive and user-friendly interface

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, HTML, CSS, C++, C#, SQL
Libraries/Frameworks: React, Node.js, React Native, Tailwind CSS, AWS
Tools: Git, VS Code, IntelliJ, JIRA, Firebase, JUnit, Docker, LaTeX, Vercel, Postman