Luo Long

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EDUCATION

Santa Clara University — Santa Clara, CA
*Bachelor of Science in **Computer Science** — GPA: 3.8* — *Sep. 2021 – Jun 2025*

- **Coursework:** Data Structures & Algorithms, Object Oriented Programming, Optimization, Computer Networks, Theory of Algorithms, Embedded Systems, Databases in mySQL (META), Git Version Control (META)
- **Awards & Honors:** 4th place in Hack4Humanity Hackathon (2022), Honorable Mention in INRIX Hackathon (2023), Selected as 1 of 130+ startups for SCU Bronco Ventures Accelerator program (2024)
- **Extracurriculars:** Association of Computing Machinery, Tau Kappa Epsilon Fraternity (Secretary), Varsity Basketball Captain

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, Confluence, JIRA, Firebase, JUnit, Docker, LaTeX, Vercel, Postman

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
- Engineered a background removal function using **Node.js** and **Express**, simplifying the clothes uploading process

Software Engineer & Quality Assurance Intern — Dec 2023 – Mar 2024
Undercurrent.ai (Startup) — *San Francisco, CA*

- Gained foundational startup experience by writing documentation on **Confluence**, managing and investigating tickets in **JIRA**, and learning the basics of **Git** version control
- Conducted manual tests using **JUnit**, identifying and resolving critical issues such as users being able to withdraw more money than available in their Bitcoin accounts

Software Engineer Intern — Jun 2023 – Sep 2023
Studio 210 — *Norwalk, CT*

- Improved company website utilizing **HTML, CSS, and JavaScript** to reduce page load time by 40%

PROJECTS

React Personal Portfolio | *React, Node.js, Vercel, Javascript* — 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**

Twitter Data Analysis Algorithm | *Python, Twitter API, NumPy* — Jun 2022 – Sep 2022

- Developed an algorithm to enable **real-time keyword searches on Twitter**, using Python and the X API, resulting in the ability to **parse thousands of tweets** for relevant sentiment analysis.
- Calculated average sentiment scores using Python and Numpy, resulting in weekly sentiment classification