

Luo Long

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EDUCATION

Santa Clara University

Santa Clara, CA

Bachelor of Science in *Computer Science*

Sep. 2021 – Jun 2025

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

EXPERIENCE

Software Engineer

Apr 2024 – Present

Perfect Fit

Santa Clara, CA

- Founded and built [Perfect Fit](#), a **virtual wardrobe platform** that uses **AI to generate tailored outfits** by leveraging **HTML & React** for frontend, **JavaScript & Node.js** for backend, ensuring a scalable product
- Led the [Fit Finder](#) swiping feature for clothing suggestions using **React and Firebase**, enabling the AI to learn and improve outfit recommendations based on user preferences.
- Developed a web scraper using **Python** and **BeautifulSoup** to parse and analyze thousands of images from fashion platforms such as Pinterest and Depop, resulting in enhanced accuracy for clothing recommendations
- Engineered a background removal algorithm using **Node.js and Express**, enhancing the user experience with seamless processing of clothing image uploads.

Software Engineer & QA Intern

Dec 2023 – Mar 2024

Undercurrent.ai

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, a sourcing company with clients such as MasterCard & Fanatics

Norwalk, CT

- Re-engineered [Studio 210 Website](#) utilizing **HTML, CSS, and JavaScript**, resulting in **reduced page load time by 40%** and improved reliability

PROJECTS

[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 among 150+ entries** at Hack for Humanity Hackathon
- Conceptualized the **frontend** and designed the user interface using **React Native**, ensuring an **intuitive and user-friendly experience**

[Twitter Data Analysis Algorithm](#) | *Python, Twitter API, NumPy*

Jun 2022 – Sep 2022

- Created a tool to analyze real-time Twitter data using Python and the Twitter API, resulting in clear sentiment reports on trending topics

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, HTML, CSS, C++, C#, SQL

Libraries/Frameworks: React, Node.js, React Native, Tailwind CSS

Tools: Git, VS Code, IntelliJ, JIRA, Firebase, JUnit, Docker, LaTeX, Postman