

# 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*

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*

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** 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