

Kevin Ha

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EDUCATION

San Jose State University

San Jose, California

B.S Computer Science | Aug 2022 – Dec 2026

Courses: Information Security, Data Structures and Algorithms, Database Management, Object Oriented Programming, Software Engineering, Advanced Python Programming, Server Side Web Programming, Processing Big Data

EXPERIENCES

24Labs

February 2025 - January 2026

Software Engineer

- Bootstrapped SaaS and consumer web applications from initial concept to production, contributing across frontend, backend, and system design.
- Worked within Agile/SCRUM environments, participating in daily stand-ups, sprint planning, and iterative feature delivery.
- Designed and implemented user-focused interfaces with strong UI/UX principles to improve usability, accessibility, and engagement.

AVP Technology

June 2024 - August 2024

Software Engineer Intern

- Developed C#-based TCP/IP communication interfaces to enable real-time data exchange between a custom user interface and robotic systems handling semiconductor wafer chips.
- Implemented and maintained reliable socket connections to control robotic operations, monitor system states, and ensure accurate command execution within hardware testing workflows.
- Designed intuitive UI workflows that visualized robot status, connection health, and operational feedback to improve system usability and testing efficiency.

PROJECTS

• BurgerBots (Robotic System)

- Developed a Raspberry Pi based robotics controller integrating ABB YuMi robots, an Omron PLC, computer vision, and a kitchen display system.
- Built a fault-tolerant Python control system using TCP/IP, Supabase, and SQLite to coordinate robot tasks, process orders, and recover from hardware/network failures.
- Expanded automated coverage to 150+ unit and integration tests with GitHub Actions CI to validate robot workflows before deployment to physical hardware.

• Bookkeeping Automation

- Automated bookkeeping workflows for small restaurants, reducing manual receipt and bank-statement entry by approximately 70%.
- Leveraged computer vision with ChatGPT to interpret receipts, extract structured data, categorize expenses, and generate itemized transaction records.
- Delivered real-time outputs into Google Sheets and accounting tools, enabling restaurant owners and CPAs to access organized financial data.

• Viral Engine

- Built a CRM tool to track likes, post performance, and revenue across TikTok, Instagram, and YouTube, reducing manual spreadsheet-based tracking by approximately 30%.
- Enabled marketers and UGC creators to analyze creator performance and ROI from a unified dashboard.
- Centralized social content metrics to streamline reporting and campaign analysis.

SKILL SUMMARY

Languages: Python, TypeScript, Java, SQL

Tools & Technologies: Git, GitHub Actions, Docker, Linux, TCP/IP, REST APIs, CI/CD