Selina Sun

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PROFESSIONAL SUMMARY

Software engineer with experience across web/mobile development, test automation, and product quality for IoT and autonomous driving workflows. Strong in JavaScript, TypeScript, Vue.js, React/Next.js, Playwright, Python, Vibe Coding, Prompt engineering, and modern development tooling. Brings a computer science background in software engineering, machine learning, and AI-assisted development, with a track record of collaborating across engineering, operations, and product teams to deliver reliable user-facing software.

TECHNICAL SKILLS

Web / Mobile	React, Next.js, Vue.js, TypeScript, JavaScript ES6, Tailwind CSS, SCSS/CSS/HTML, Bootstrap, Auth.js, hybrid app development
Testing / Reliability	Playwright, Selenium, end-to-end/integration testing, bug triage, issue documentation, release support
AI / ML	Vibe Coding, GenAI QA Automation, AI agents, Prompt engineering, LLM, PyTorch, LSTM, Claude Code, Codex, Jupyter, Pandas, NVIDIA GPU
Backend / Cloud	Node.js, Python, MySQL, Docker, CI/CD, Swagger / API integration, Unix/Ubuntu, AWS
Tools	Git, GitHub, Visual Studio Code, Jira, Trello, Photoshop, Illustrator

EXPERIENCE

Software Developer (Web/Mobile) | SCRUM24

Sunnyvale, CA • 2024 - Present

- Built and Improved a Next.js/React admin console for Internet of Things (IoT) device management using TypeScript, Tailwind CSS, Auth.js, and modern component libraries.
- Used Claude Code and AI-assisted workflows to accelerate QA automation, frontend generation, prompt iteration, and engineering problem solving.
- Developed web and mobile interfaces to monitor and control solar farm devices using Vue, Vuex, Bootstrap, and cross-functional engineering workflows.
- Supported test automation and software reliability efforts for web/mobile features with Playwright and related QA processes.
- Contributed to agile delivery, CI/CD workflows, prompt improvement, and AI-related pilot projects including Claude Code Agentic Automation

Software Quality Operations Associate | Waymo (Cognizant / Akorbi)

Mountain View, CA • 2022 - 2024

- Triaged rider-reported issues and documented bugs for engineering follow-up within Waymo's external feedback workflows.
- Supported quality control operations, case analysis, and cross-team issue classification to improve bug reporting consistency.
- Helped train new team members and contributed process improvements for identifying and escalating high-priority issues.

Software Developer Intern | Trillion Innovations

Remote • 2020 - 2021

- Built front-end features for fundraising and smart building applications using Vue.js, HTML/CSS, Bootstrap, Ruby on Rails, and MySQL.
- Designed mockups, logos, and SVG animations in Adobe Illustrator for customer-facing web experiences.
- Supported Swagger API integration for device-control workflows in an IoT-focused web application.

Programming Mentor | Digital Media Academy

Stanford University • Summer 2018

- Mentored students in Java, animation, and Arduino / C/C++ fundamentals through hands-on programming instruction.

EDUCATION

B.S. in Computer Science | University of California, Santa Cruz

2017 - 2020 • GPA: 3.5

- Concentration in software engineering, AI / machine learning, and web/mobile development.
- Built VGG16/CNN models for brain hemorrhage subtype detection (92% accuracy) and clothing recognition (99% accuracy).
- Coursework: Algorithms, Compiler Design, Agile/Scrum, Web Programming, Applied Machine Learning, Cloud Computing.

CERTIFICATIONS

- Playwright: Web Automation Testing From Zero to Hero - Udemy
- Claude Code Beginner to Pro: Agentic Coding for Developers - Udemy
- GenAI & AI Agents for QA Automation | Copilot & Claude Code - Udemy
- PyTorch for Deep Learning with Python Bootcamp - Udemy

- QC & QA Training - Waymo (internal)

ADDITIONAL

- Languages: English, Chinese (Mandarin), Spanish (basic)
- Work authorization: U.S. Citizen
- Interests: Art and design, robotics, writing, game development