

# Hayoung Ryow

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## SUMMARY

Computer Science student at Santa Clara University with a minor in Graphic Design, skilled in building responsive, accessible, and user-focused web and mobile applications. Experienced in blending technical proficiency with strong UI/UX design expertise to deliver elegant, functional solutions.

## EDUCATION

### Santa Clara University

Expected June 2026

B.S. in Computer Science, Minor in Graphic Design (GPA: 3.64)

## SKILLS

Languages: Python, JavaScript/TypeScript, Java, C/C++, MySQL, HTML/CSS, HTMX+Lit

Frameworks/Tools: Node.js, React.js, Git, Linux, Figma, Flutter/Dart, Bootstrap, Microsoft Office, Adobe Photoshop/Illustrator

Other: UI/UX Design, Prototyping, Google Suite

## EXPERIENCE

### Coding Mind Academy

Jul 2025 - present

Instructor

- Taught Python and Flutter development to 15+ students across varied skill levels, improving average assessment scores by 25% through customized curriculum and real-time feedback.
- Implemented effective classroom management strategies to create a supportive and productive learning environment.
- Analyzed student performance to identify learning gaps and tailor teaching approaches for better understanding and skill development.

### EPIC IoT Dashboard

Oct 2024 - present

Software Engineer

- Led UI/UX design initiatives in Figma, collaborating with product and backend teams to create intuitive, responsive interfaces for technical and non-technical users.
- Debugged and optimized JavaScript (Node.js, React.js) applications, improving performance and supporting reliability of the dashboard.

### SCU Marketplace

Sept 2025 - Dec 2025

Full-Stack Software Engineer

- Built a full-stack marketplace web app for Santa Clara University students using React with Vite, Express/Node.js, and PostgreSQL.
- Implemented JWT-based authentication, CRUD listing management, buyer-seller messaging, and item detail views, with unit tests (Vitest), component tests (Jest), and end-to-end tests (Cypress) to ensure reliability.

### Make-Your-Own Haiku

Sept 2024 - Dec 2024

Individual Project

- Built an interactive web application that generates haikus using HTML/CSS and Node.js, featuring Express-style API logic and JavaScript frontend with drag-and-drop UI.
- Implemented backend functionality to parse request parameters and return custom JSON word lists using the node-fetch framework and integration with external APIs including URLSearchParams.

### WebCrack - Hackathon Finalist

Feb 2024

Front-End Developer

- Developed Chrome extension for detecting bias in articles using React.js, LangChain, and the ChatGPT API by engineering prompts.
- Created custom logos and animations in Procreate and designed a product website using HTML/CSS and Figma, contributing to its selection as a finalist out of 40+ teams.

## LEADERSHIP

### Daybreak KPOP Dance Crew

Sept 2022 - present

Co-Chair, Events Coordinator

- Directed annual dance showcases drawing 300+ attendees, coordinating 30+ members, 100+ performers, and project timelines.
- Coordinated performances and cover filmings, amassing 33K+ total views.