

# Hayoung Ryow

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## EDUCATION

### Santa Clara University

Santa Clara, CA

*B.S. in Computer Science, Minor in Graphic Design*

*Expected June 2026*

- Emphasis: Algorithms & Complexity; GPA: 3.64
- Relevant Coursework: Computational Complexity, Web Development, Theory of Algorithms, Cryptography, Data Structures, Object-Oriented Programming (C++), Web Design

## SKILLS

Programming Languages: Python, C/C++, HTML/CSS, Javascript, React.js, Node.js

Technical Skills: Adobe Photoshop/Illustrator, Figma, Canva, Microsoft Office, Git

Languages: Korean (conversational), Chinese (elementary), Indonesian (elementary)

## EXPERIENCE

### EPIC IoT Dashboard

*Oct 2024 - present*

*Software Engineer, Front-End*

*React.js, Node.js*

- Contributed to the addition of device management functionality using React.js and Node.js, enhancing agricultural management capabilities
- Implemented login with administrator permissions for select users, notification functionalities for announcements, and device monitoring for agricultural equipment
- Designed interface and visual aesthetic of the dashboard using Figma

### Make-Your-Own Haiku

*Sept 2024 - Dec 2024*

*Individual Project*

*HTML/CSS, Javascript, Node.js*

- Engineered an interactive web application featuring a digital “magnetic poetry” interface that generates haikus through draggable word elements styled as refrigerator magnets
- Implemented advanced functionality including syllable-aware drag-and-drop constraints and dynamic word set navigation, sourcing content from an external dictionary database

### WebCrack - Hackathon Finalist

*Feb 2024*

*Front-End Developer*

*Javascript, HTML/CSS, React.js*

- Programmed a Google Chrome extension using JavaScript, React.js, LangChain, and the ChatGPT API to detect bias in articles, enhancing media literacy for ESL students
- Developed brand identity through custom logos & animations in Procreate and designed product website using HTML/CSS, and Figma, contributing to its selection as finalist among 40+ teams

## LEADERSHIP

### Daybreak KPOP Dance Crew

Santa Clara, CA

*Co-Chair, Events Coordinator*

*Sept 2022 - present*

- Facilitated the planning and execution of annual showcase with over 300 attendees
- Improved team morale, driving a 200% membership increase
- Coordinated performances and cover filmings, amassing over 33K total views