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: Web Development, Theory of Algorithms, Cryptography, Data Structures, Object-Oriented Programming (C++), Web Design, Narrative Illustration

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

- Contributed to developing an agricultural IoT dashboard for SCU's EPIC Lab 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

WebCrack - Hackathon Finalist   *Feb 2024*

Front-End Developer

- 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 a product website using HTML, CSS, and Figma, contributing to the project's memorability and its selection as finalist among 40+ teams

Social Network   *Sept 2023 - Dec 2023*

Individual Project

- Developed a social network in C++ & QT, utilizing a graph implementation to enable user connections with friend suggestions and posting functionality, resulting in enhanced user engagement and interaction
- Implemented additional functionality for 3 distinct post reactions, including user lists for each reaction

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