

## Sarah Choe

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### EDUCATION

#### Major in Computer Science, Minor in Design and Psychology

May 2026

University of Utah

GPA: 3.70

- 2024 Wilkes Climate Solutions Hackathon 2nd Place & Climate Change Symposium 1st Place Undergraduate Poster Award
- University of Utah Dean's List for 2022, 2023, 2024

### SKILLS

- |              |               |                    |
|--------------|---------------|--------------------|
| • Python     | • HTML & CSS  | • Microsoft Office |
| • JavaScript | • QT Creator  | • Adobe Suite      |
| • Java       | • Git         | • Figma            |
| • C# / C++   | • Agile/Scrum | • Miro             |

### EXPERIENCE

#### Webmaster, Society of Women Engineers (SWE) at the University of Utah

Aug. 2024 - Present

- Co-authored a paper “#UkraineUnderAttack: External-Facing Communications during the 2014 war” and submitted it to the ACM International Conference on Supporting Group Work
- Presented new findings and insights at weekly team meetings to contribute to the project's decision-making process
- Conducted qualitative and quantitative data analysis on more than 800,000 tweets using Python and Pandas to find more than 8 patterns that contributed to shaping the paper
- Showcased project methods and results at the ACCESS 2023 Spring Symposium as well as UROP 2024 Summer Symposium in front of over 300 attendees

#### Undergraduate Research Assistant, Kogan Research Lab - University of Utah

Jan. 2023 - Present

- Co-authored a paper “#UkraineUnderAttack: External-Facing Communications during the 2014 war” and submitted it to the ACM International Conference on Supporting Group Work
- Conducted qualitative and quantitative data analysis on more than 800,000 tweets using Python and Pandas to find more than 8 patterns that contributed to shaping the paper
- Showcased project methods and results at the ACCESS 2023 Spring Symposium as well as UROP 2024 Summer Symposium in front of over 300 attendees

### PROJECTS

#### Graduation Dashboard - UX Case Study

Oct. 2024 - Present

- Conducted market research to explore user needs before synthesizing findings into actionable insights, identifying 3 key user pain points and opportunities for improvement
- Created user personas and journey maps to guide design decisions and improve overall usability

#### HanGo - Educational Korean App

Apr. 2024 - May 2024

- Collaborated in a team setting to conduct user testing and gather feedback, ensuring designs met user needs and expectations.
- Led the design and implementation of user interface elements using Figma and QT Creator, focusing on user-centered design principles.
- Organized tasks and tracked project progress through GitHub Projects, enhancing team collaboration and project management efficiency.

#### Spreadsheet - Microsoft Excel Clone

Sept. 2023 - Nov. 2023

- Created a robust formula editor that supports over 5 Excel functionalities using C# and MAUI, enhancing user capabilities for performing calculations seamlessly within the application
- Executed extensive unit and integration tests, achieving 100% test coverage and ensuring high reliability and performance of the application