

# Carolyn Lee

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## EDUCATION

### Stanford University

Stanford, CA

*B.S. Computer Science, concentration in Human-Computer Interaction*

*Sep 2022 - Jun 2026*

- *Relevant Coursework:* Data Structures and Algorithms, Computer Organization and Systems, Operating Systems, Probability and Statistics, Discrete Mathematics, Design and Analysis of Algorithms, Introduction to Human Computer Interaction Design, Linear Algebra, Multivariable Calculus

### Atlanta International School

Atlanta, GA

*Valedictorian*

*Graduated: 2022*

## EXPERIENCE

### Skywalk

Jun 2024 – Present

*Software Engineer Intern*

*Palo Alto, CA*

- Developed the frontend of an iOS app integrating silent speech technology for Bluetooth dictation, accessible to users with disabilities and wireless earbuds. Used SwiftUI for a responsive interface.
- Conducted user research and tested designs with various groups, refining the app with Figma. Created a custom software keyboard with bluetooth support for seamless public and private dictation.

### Stanford Human Computer Interaction Group

Apr 2024 – Jun 2024

*Research Assistant*

*Palo Alto, CA*

- Built and optimized the frontend framework for a 2D card game using React, TypeScript, and CSS, ensuring high performance and scalability.
- Developed the app from a Figma design, creating interactions from scratch and managing props and save states. The app was used in a Stanford HCI research study for artists and creators.

### Agency for Science, Technology and Research (A\*STAR)

Jun 2023 – Sep 2023

*Research Intern*

*Singapore, Singapore*

- Worked under the Aural & Language Intelligence Department to develop an AI model to be used in language education. Used natural language processing to investigate how students learn a mother tongue language within the cultural context of Singapore

### Stanford East Asian Languages and Cultures Department

May 2023 – Present

*Research Assistant*

*Palo Alto, CA*

- Transcribing audio files and conducting linguistic analysis on over 50 intergenerational haiku making sessions
- Investigating ways to promote conversation among people across generations and analyzing how specific language usage and narratives makes communication between groups inclusive

### Project Manager, Marketing Consultant

Oct 2022 – Present

*Stanford Marketing Group*

*Palo Alto, CA*

- Collaborate with clients, including local startups and Fortune 500 corporations, to execute strategy-based projects
- Through project management techniques, train and guide consultants to develop effective strategies for companies to enhance their brand image and drive sales through targeted marketing campaigns

## PROJECTS

### Japanese Sign Language Detection | *Python, Scikit Learn, OpenCV, MediaPipe*

June 2024 – Present

- Developed a Japanese Sign Language detection program using Python, integrating SciKit Learn for machine learning, OpenCV for image processing, and MediaPipe for hand tracking and gesture recognition.

### Portfolio Website - [carolynlee.me](https://carolynlee.me) | *JavaScript, HTML, CSS, Figma*

April 2024 – Present

- Developed a dynamic portfolio website using HTML, CSS, and JavaScript, enhancing user experience through responsive design and interactive elements.

## SKILLS

**Technical Skills:** C/C++, Python, JavaScript (JS), CSS, HTML, Figma, React, TypeScript, Swift

**Languages:** English (Native), Chinese (Fluent), Cantonese (Conversant), Japanese (Basic)

**Affiliations:** Stanford Marketing Group (Consultant, Project Manager), Google Developer Students Club (GDSC Frontend Developer), Women in Computer Science