Carolyn Lee

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EDUCATION

Stanford University Palo Alto, CA
B.S. Computer Science, concentration in Human-Computer Interaction (GPA 3.89/4.0) *Class of 2026*

Atlanta International School Atlanta, GA
Valedictorian *Class of 2022*

COURSEWORK AND SKILLS

Coursework: CS 106B - Programming Abstractions, MATH 51 - Linear Algebra & Multivariable Calculus, CS 107 - Computer Organization & Systems, CS 103 - Mathematical Foundations of Computing, CS 109 - Introduction to Probability for Computer Scientists, CS 111 - Operating Systems Principles
Skills: C, C++, Python, Java, JavaScript (JS), CSS, HTML, Figma, React, Data Analysis
Languages: English (Native), Chinese (Fluent), Cantonese (Conversant), Japanese (Basic)

EXPERIENCE

Research Intern Jun 2023 – Sep 2023
Agency for Science, Technology and Research (A*STAR) (PI: Dr. Nancy Chen) *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

Research Assistant at Sharing Conversations Project May 2023 – Present
Stanford University (PI: Professor Yoshiko Matsumoto) *Palo Alto, CA*
- Transcribing audio files and conducting linguistic analysis on 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
- Take on diverse projects ranging from UX design to market entry strategies in order to provide clients with comprehensive solutions to achieve their business objectives.

Researcher & Team Lead Aug 2018 – Apr 2022
NASA - AIS International Space Station Program
- Sent independent research aboard the International Space Station that was launched aboard NG-11 Cygnus on April 17, 2019
- Designed novel solution to study the functional behavior of slime mold physarum polycephalum in microgravity conditions and presented research findings at the 2019 ISS Research and Development Conference

Data Science Intern Jul 2020 – Aug 2020
Stanley Black and Decker *Atlanta, GA*
- Utilized Python within Jupyter Notebook to conduct statistical analysis and data visualization of performance metrics from NADI solar water pumps, informing product development strategies.
- Analyzed large datasets related to COVID-19, uncovering key insights and trends that informed strategic decision-making for public health initiatives

HONORS AND PUBLICATIONS

2024 IEEE CAI, "Scaffolding Language Learning via Multi-modal Tutoring Systems with Pedagogical Instructions"
2022 Atlanta Journal-Constitution Cup Award
2021 Harvard Book Prize Award
2020 International Baccalaureate MYP Student Innovators $2k Grant Recipient
2019 National Invention Convention 3rd Place Winner featured in the CW's "Did I Mention Invention"