

Karina Li

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EDUCATION

Stanford University | Stanford, CA

B.S. in Computer Science (Human-Computer Interaction), Expected: June 2025

Cumulative GPA: 3.6

Relevant Coursework: Programming Methodologies, Data Structures and Algorithms, Computer Organizations and Systems, Intro to Human-Computer Interaction, Cross-Platform Mobile App Development, Design for Learning: Co-Designing Connection and Community

SKILLS & TECHNICAL TOOLS

Programming Languages: Python, React Native, ReactJS, JavaScript, Java, C++, C, Git

EXPERIENCE & ACTIVITIES

Research Assistant | Interaction Design (IXD) Research Group

Oct 2022 - Present

Build components of the ReactGenie programming framework about multimodal UI toolkits at the intersection of AI and HCI.

Implement example programs using a natural language parser GenieLamp, React, and a custom-built target programming language.

App Development Intern, Data Analyst | Rooster

Rooster is a location-based mobile app for searching and booking a broad range of children's extracurricular activities.

Mar 2022 - Sep 2022

Implemented the React library in JavaScript to develop and troubleshoot a subscription service and trending page.

Redesign the UI/UX of the home page to clarify functional flows using Figma and improve user experience.

Involved with all phases of mobile app development from initial concept to design, development, testing, and deployment.

Utilized a Google robot to scout summer camps throughout Santa Clara county to improve data input and analysis.

Fellow | Stanford Women in Computer Science

Oct 2021 - Jun 2022

Joined a year-long program to hone technical skills beyond the classroom.

Participated in workshops with various industry leaders and Stanford alumni to develop professional and leadership skills.

Collaborated with fellow members to create a mobile app in React Native for an end-of-quarter showcase.

Senior Advisor, Co-Founder | Coding Power

Mar 2019 - Present

Co-Founded Coding Power, a non-profit organization aimed at teaching the basics of coding to more than 500 kids nationwide.

Designed and maintained the Coding Power website (2019-2021): <https://codingpower.org/>

Organized and supervised Coding Power teaching and administrative activities, including 8 year-round programs in schools and libraries.

Led the organization to support minority coding groups via Amazon's Smile program.

Accumulated more than 4000 community volunteer hours as a President's Volunteer Service Awards Certifying Organization.

Publicity Chair, Member | Stanford Legacy Dance & Stanford Alliance Dance

Oct 2021 - Present

PROGRAMMING PROJECTS

budder | React Native, JavaScript, Figma

Led development on budder, a cross-platform app for maintaining and organizing friendships, in collaboration with 3 teammates

Conducted 15+ interviews for need-finding & user testing; iteratively designed 3 prototypes to improve UI/UX

Heap Allocator | C

Implemented an implicit and explicit heap allocator to manage the heap by servicing requests such as malloc, realloc, and free.

Designed and optimized the heap to improve performance by balancing tradeoffs between speed, accuracy, and utilization of memory.

AWARDS & CERTIFICATES

CompTIA Security+ Certification

Cyber Security Certificate, Cypress College, 2019

National Center for Women & Information Technology Award for Aspirations in Computing, 2021

Coca-Cola Scholarship Semi-finalist, 2021