

# Karina Li

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## EDUCATION

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### Stanford University | Stanford, CA

B.S. in Computer Science, Expected: June 2025

*Cumulative GPA: 3.61*

Relevant Coursework: Programming Methodologies, Data Structures and Algorithms, Computer Organizations and Systems, Introduction to Electrical Engineering, Economics 1

## SKILLS & TECHNICAL TOOLS

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

## EXPERIENCE & ACTIVITIES

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### 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.

*2022 - Present*

Implemented the React library in JavaScript to develop and troubleshoot a subscription service in the Rooster mobile application.

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 for data input and analysis.

### Fellow | Stanford Women in Computer Science

*2021 - 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

*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

Both Alliance and Legacy are student-run hip hop performance dance teams

*2021 - Present*

Performed at school-wide dance showcases once every Autumn, Winter, and Spring quarter.

Updated all club social media accounts with graphics and flyers for upcoming team events, auditions, and performances.

## PROGRAMMING PROJECTS

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### 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.

### Popcorn Movie App | React Native

Developed an informational mobile app that displays movies currently playing in theaters.

Utilized The Movie Database API to update the Popcorn app with new movie titles.

## AWARDS & CERTIFICATES

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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