

Ruizhe Sun

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🌐 Ruizhe-Sun

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EDUCATION

Cornell University

Ithaca, NY

B.S in Computer Science | GPA: 3.75 | Dean's List Scholar

May 2025

Relevant Courses: Object-Oriented Programming, Data Structures, Functional Programming, Data Science, Algorithms, Data-Driven Web Development, Computer System Architecture, Machine Learning

EXPERIENCE

LLounge

New York, NY

Software Engineer Intern

May 2023 - August 2023

- Implemented, tested, and documented new flows with MVC architecture and UIKit framework.
- Incorporated location integration and implemented data cache to support storage of custom data objects
- Utilized OOP and data structures to optimize program performance, and space-complexity.

Cornell AppDev

Ithaca, NY

Course Instructor

April 2023 - Present

- Introduction to iOS Development (CS 1998) at Cornell University, hosting lectures twice a week for a class of 100+ students.
- Created and taught course material, constructed assignments and lecture slides as well as managed TA course staff.

iOS Software Engineer

September 2022 - Present

- Developed and shipped Scooped, an app that serves to facilitate student transportation to and from campus. Implemented location integration and phone authentication with Google Places and Firebase.
- Apply software engineering principles, OOP, and data structures to develop iOS apps in Swift. Collaborate with other subteams: backend, design, and marketing to develop apps that benefit the Cornell Community

Cornell University

Ithaca, NY

Course Staff - CS 1110

August 2022 - Present

- Introduction to Computing: A Design and Development Perspective (FA22, SP23, FA23 - 500+ Students).

PROJECTS

Fridge Keeper - React, JavaScript, Python

May 2022 - Present

- In development of full-stack website to match ingredients in any fridge with a database of many different recipes to provide users with possible dishes that can be made with the items left in the fridge. Used React.js framework for frontend
- Implemented backend ingredient-recipe matching algorithm using Flask and Python.

WICC Website Redesign - HTML/CSS/JavaScript

March 2023 - May 2023

- Collaborated with officers of Women in Computing at Cornell (WICC), an organization of women and allies* creating opportunities for technical and leadership growth for people of all identities, to redesign and develop a more inclusive iteration of their website. Developed website interactivity using JavaScript.

PawCoach - Swift, UIKit

Feb 2023 - March 2023

- Collaborated with vet students, MBAs, and other developers during the Animal Health Hackathon to design and develop an app that facilitates veterinary and training services for dogs.
- Designed and developed all frontend flows with integrated HTTP networking from backend.

SKILLS

Languages: Python, Swift, Java, HTML/CSS/JavaScript, SQL, OCaml, R, C, Assembly

Frameworks: UIKit, SwiftUI, Flask, React.js, Node.js, D3.js

Technologies: Git, VSCode, XCode, Firebase, Docker, Postman

INTERESTS AND HOBBIES

Music (Violin), Art (Digital media & Origami), Cooking, Swimming, Hiking, Teaching