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, Web Development, Computer Architecture, Machine Learning, Computer Vision, Operating Systems

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**
Teaching Assistant - INFO 2950   *December 2023 - Present*
- Worked with professor and other TAs to grade, teach, and assist students with data science in R programming language. Led a discussion section once a week to help students reinforce course concepts and facilitate code debugging.

Course Staff - CS 1110   *September 2022 – May 2023*
- Introduction to Computing: A Design and Development Perspective (FA22, SP23, FA23 - 500+ Students).

PROJECTS

Fridge Keeper - *React, React Native, 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 and React-Native 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.

Scooped - *Swift, UIKit, Firebase*   *September 2022 – May 2023*
- Collaborated with team of designers, backend, and marketing to develop ride-share app with search algorithm that connects students traveling to similar locations and optimizes the traveling process.
- Used Swift, UIKit to develop Scooped frontend. Implemented Google Places location integration and Firebase phone authentication.

SKILLS

Languages: Python, Swift, Java, HTML/CSS, JavaScript, SQL, OCaml, R, C, Assembly, LaTex,
Frameworks: React Native, UIKit, SwiftUI, Flask, React.js, Node.js, D3.js
Technologies: Git, VSCode, XCode, Firebase, Docker, Postman, R-Studio, NumPy, PyTorch