

Ruizhe Sun

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🌐 Ruizhe-Sun

🔗 ruizhesun.me

EDUCATION

Cornell University

B.S in Computer Science, Minor in Data Science | GPA: 3.78

M.Eng in Computer Science

Ithaca, NY

May 2025

December 2025

Relevant Courses: Object-Oriented Programming, Functional Programming, Data Science, Algorithms, Web Development, Computer Architecture, Machine Learning, Computer Vision, Operating Systems, Databases, Artificial Intelligence, Robotics, NLP, System Security, Robot Learning

EXPERIENCE

Expedia Group

Mobile Engineering Intern

Seattle, WA

May 2024 - August 2024

- Developed and integrated Trips-Packages Card and Carousel query components based on GraphQL schema specifications.
- Implemented scalable and fault-tolerant iOS solutions leveraging UIKit, SwiftUI, and the MVVM architecture pattern.
- Awarded 3rd place in internal native hackathon, integrating patent-pending trip curation technology.

Cornell AppDev

iOS Software Lead

Ithaca, NY

April 2024 - Present

- Led a team of developers in implementing and deploying iOS applications aimed to enhance student experience at Cornell
- Implemented responsive user interfaces with backend integration8 using UIKit and SwiftUI frameworks

Course Instructor

April 2023 – May 2024

- Intro to iOS Development at Cornell University, hosting lectures twice a week for a class of 100+ students.
- Ideated and taught course material, created assignments and lecture slides as well as managed TA course staff.

Cornell University

Teaching Assistant - INFO 2950

Ithaca, NY

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.

LLounge

iOS Software Engineer Intern

New York, NY

May 2023 - August 2023

- Implemented and tested new flows using MVC architecture and UIKit framework, incorporating location integration and data cache for custom data objects. Utilized OOP concepts to optimize program performance and space complexity.

PROJECTS

Sous Chef - React Native, React, PyTorch, Scikit-learn

May 2022 - Present

- In development of a full-stack web and mobile application using React.js and React Native frameworks suggesting recipes to users based on ingredients available ingredients
- Developed a recipe generation system using fine-tuned T5 and GPT-2 transformer models, incorporating BERT-based semantic validation to ensure contextual accuracy and coherence

Resell - Swift, SwiftUI, Firebase

August 2023 – May 2024

- Utilized SwiftUI to develop a full-stack mobile application iOS platforms that allows students to browse and post listings of items that they want to sell and buy.
- Implemented efficient image caching with prefetching and dynamic loading, and developed a full-scale chat feature with Firebase messaging, including real-time notifications.

SKILLS

Languages: Swift, Python, Java, HTML/CSS, JavaScript/Typescript, SQL, OCaml, R, C, GraphQL, Golang

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

Technologies: Git, Firebase, MongoDB, PostgreSQL, Docker, R-Studio, CoreML, NumPy, Pandas, PyTorch, Scikit-learn, TensorFlow