Ruiyang Ji

707-849-2690 ● rj378@cornell.edu ● [LinkedIn](#) | [GitHub](#)
Ithaca, NY 14853

Education

Cornell University, College of Engineering   Ithaca, NY
Bachelor of Science in Computer Science   Expected Spring 2026; GPA: 3.94/4.00

Related Courses: Object-Oriented Programming & Data Structures (Java), Calculus I & II & III, Linear Algebra, Discrete Structures, Data Structures and Functional Programming (Ocaml), Intro to ML (SKLearn), Analysis of Algorithms (Kleinberg)

Technical Skills

- **Back-end Development Tools:** Python, Java, OCaml, Rust, & OOP Programming
- **Front-end Development Tools:** ReactJS, Typescript, NextJS, T3 Stack
- **Developer Tools:** Git, GitHub, VS Code, Docker
- **Data Analysis Tools:** Google Colab, Pandas, SKLearn
- **Microsoft Office Suite:** Excel, Word, & PowerPoint

Project Experience

Student Hub   August 2023 - October 2023
Independent Project
- Researched and coded an all in one social media app shipped with Docker
- Features user authentication, real time chatting, twitter/anonymous posting, course schedulers & planner
- Backend: Express, PassportJS, GraphQL, SocketIO, MongoDB
- Frontend: React, Material UI

Chinese Mandarin Regional Accent Classification   August 2023 - September 2023
CIS Research Summer Program   Remote
- Collaborated with a team of 6 to create a Mandarin regional accent recognition DNN model to 80% accuracy
- Cleaned and filtered sample data for train, test, validation; transformed audio using MFCC and into segments
- Tools used: Tensorflow, Keras, librosa

Ethereum Kickstarter Implementation   December 2023 - January 2024
Winter Break Project with 3   Remote
- Crowd funding app: the donors (stakeholders) can vote to approve a onchain transaction or not
- Bidaily sprint plans; GitHub & PR's; Deployed to Sepolia Testnet learned & implemented in 18 days
- Tools used: Ethereum, Solidity, NextJS, GitHub

Extracurricular Activities

International Children's Education Association Frontend Project Lead   March 2021-February 2023
Volunteering Internship   Remote/Culver City, LA
- Collaborated through Git, Pull Requests and weekly sprint planning zooms
- Led development of www.kchess.org; set up ionic-react project and file structures
- Implemented user authentication by ReactJS with Backend subteam for www.kchess.org
- Designed and implemented homepage for NuxtJS project (www.globalairlearning.org) and CSS

Cornell Association of Computer Science Undergraduates   Ithaca, NY
Member   September 2023-Present
- Attend monthly employer sessions about different companies and career paths within computer science
- Develop skills in areas such as HTML, JavaScript, and LaTeX through workshops and presentations

Skills and Interests

Language Skills: Bilingual in Mandarin and English; Fluent in Spanish
Interests: Full Stack Development, Machine Learning Engineering, Quantitative Finance, Blockchain