

Ruiyang Ji

Cornell University (GPA 3.94) Class of 2026 | Backend Software Engineer | Full Stack Developer
(707) 849 - 2690 | rj378@cornell.edu | www.linkedin.com/in/ruiyangji | www.github.com/jji-bigG

SKILLS

| | | |
|--|---|--|
| Python, Java, TypeScript, C, C++ Spring Boot, FastAPI, Django React, NextJS, CSS, WebPack Kafka, Redis, SQL, PostgreSQL | NoSQL: MongoDB, DynamoDB Linux, Docker, Kubernetes AWS, GCP, REST APIs git, Jenkins, CI/CD | Microservices, Agile, Scrum Cross Functional Communication Conflict Resolution Adaptability |
|--|---|--|

EXPERIENCE

| | |
|---|--|
| Full Stack Software Engineer Cornell CMSX Project | Sep 2024 – Present Ithaca, NY, USA |
| <ul style="list-style-type: none">Improved backend performance by refactoring critical services using Jakarta Spring Boot, optimizing API calls to enhance response times by 15%.Researched & developed Git, Jenkins, and CI/CD pipelines for automated QA testing and preview deployment, improving development efficiency by 20%.Reviewed 2 pull requests per sprint to ensure code quality, consistency, and best practices in team collaborations.Conducted 9 student interviews, surveys to improve the 20+ year codebase for maintainability & error resilience. | |
| Backend Systems Techlead & Developer Cornell Electric Vehicles Project Team | Oct 2024 - Present Ithaca, NY, USA |
| <ul style="list-style-type: none">Designed and developed a microservices backend architecture, reducing deployment costs by 30% and improving latency by 40% using Kafka, Redis, and FastAPI in Python; deployed with AWS SQS and AWS Lambda.Integrate 5 new features for 3 internal clients while ensuring robust performance and system reliability.Authored detailed documentation for cross-functional collaboration and streamline onboarding for 10+ team members, reducing development cycle times by 15%. | |
| CS 3110 Teaching Assistant Cornell University Ann Bowers CIS | Aug 2024 - Present Ithaca, NY, USA |
| <ul style="list-style-type: none">Host 4 hours of office hours every week to design, implement, debug coding projects for 300+ students, enhancing technical communication, collaboration, and problem-solving in team-based environments.Managed two teams of 5 students on 2000+ line OCaml projects, facilitating sprint planning and code reviews, developing strong project management, agile, and mentorship skills for high-quality project delivery. | |
| MLOps Software Engineer Intern LeYan Technologies, Alibaba Subsidiary | May 2024 - Aug 2024 Shanghai, China |
| <ul style="list-style-type: none">Optimized the testing suite by replacing and debugging faulty libraries, resolving 20+ dependency issues using source code adjustments and custom configurations, reducing integration errors by 30%.Streamlined library installation and reconfiguration process with engineer-provided files, reducing deployment time by 25% and accelerating CI/CD workflows using Docker and GitLab Actions. | |

EDUCATION

| | |
|---|-------------|
| Cornell University Bachelor's of Science B.S. GPA: 3.94 | 2022 - 2026 |
| Courseworks: Data Structures & Object Oriented Programming, Algorithms Analysis, Machine Learning, Database, Operating System | |