Qirong (Jason) Wu

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EDUCATION

Bachelor of Science - Computer Science   Stony Brook, NY
Stony Brook University   *Aug. 2021 - May 2025*

Relevant Coursework: Software Engineering, Technical Communications, Analysis of Algorithms, Data Structures, Computer Networks, Computer Security Fundamentals, Principles of Database Systems

EXPERIENCE

Project Management Intern   July 2025 - Aug. 2025
LADYSURVIVOR & Family Benches   *New York, NY*
- Researched and compiled profiles of 50+ organizations and local council members for outreach
- Coordinated external communications by drafting outreach emails to civic groups and other nonprofits
- Contributed to content development, including handbooks and flyers, to support awareness initiatives
- Developed and maintained structured contact lists and documents to support engagement tracking

Undergraduate Teaching Assistant   Aug. 2023 - May 2024
Stony Brook University   *Stony Brook, NY*
- Assisted in delivering course content on object-oriented programming concepts to 120 students
- Directed and graded bi-weekly 90-minute labs, increasing productivity by 50% for 30 students
- Held bi-weekly office hours providing one-on-one support, improving student scores by 20%
- Collaborated with fellow TAs in developing complementary material and in proctoring 80-minute examinations

PROJECTS

Online Stock Trading System | *Java, MySQL*   Jan. 2025 - May 2025
- Engineered a full-stack stock trading simulator in Java and MySQL that supports user authentication, live balance updates, and transaction tracking
- Integrated Java backend with MySQL via JDBC to ensure secure, reliable data persistence and consistent transaction states

Multi-Threaded Chat Server | *C*   Apr. 2024 - May 2024
- Built a concurrent chat server using POSIX threads and mutexes to handle synchronized message exchange between multiple clients
- Diagnosed and resolved race conditions and deadlocks, improving connection stability and throughput under stress testing
- Optimized thread-safety and synchronization primitives, achieving 10% higher concurrency efficiency compared to baseline

FakeStackOverflow | *MERN (React, Node, Express, MongoDB)*   Aug. 2023 - Dec. 2023
- Developed a full-stack Q&A platform with secure authentication, search, and post management features
- Implemented RESTful APIs for user sessions and content routing; integrated bcrypt-based password hashing to secure 100% of API endpoints
- Designed responsive front-end components and optimized database indexing to reduce search query response times by 20%

TECHNICAL SKILLS

- **Languages:** Java, Python, C, Ruby, JavaScript, TypeScript, HTML, CSS, SQL
- **Frameworks/Libraries:** React, Node.js, Express.js, Spring
- **Databases:** MySQL, MongoDB
- **Developer Tools:** Git, GitHub/GitLab, VS Code, Visual Studio, IntelliJ, Eclipse, Unix/Linux, Vite
- **Certifications:** IBM DevOps and Software Engineering on Coursera