Qingquan Li

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EDUCATION

City University of New York - Brooklyn College *Brooklyn, NY* Expected Graduation: December 2025

Bachelor of Science in Computer Science

SKILLS

- **Languages:** Python (proficient), Java (proficient), JavaScript/TypeScript (proficient), C++ (intermediate), SQL (intermediate), Bash (intermediate), Go (beginner).
- **Tools:** AWS, Linux, Docker, Kubernetes, Terraform, Git, PostgreSQL, MongoDB, Flask, Spring Boot, React.
- **Certifications:** AWS Certified Solutions Architect – Associate, AWS Certified Cloud Practitioner, Postman API Fundamentals Student Expert

WORK EXPERIENCE

Cloud Engineer Intern - Memorial Sloan Kettering Cancer Center *New York, NY* June 2024 - August 2024

- Migrated 2 on-premises applications to AWS, increasing availability by 30% and reducing maintenance costs by 20%.
- Implemented infrastructure as code with Terraform, accelerating provisioning by 30%.
- Automated CI/CD pipelines with Docker, GitHub Actions, and JFrog Artifactory, reducing deployment times by 50%.
- Engaged in Agile processes with cross-functional teams, ensuring 100% of deliverables were completed on schedule.

Software Engineer Intern - AuriStor, Inc. *New York, NY* February 2024 - April 2024

- Built a React-based dashboard to manage 1,000+ container image layers in the AuriStor File System, improving visibility.
- Developed 20 RESTful API endpoints with Go, improving data retrieval speed by 25% for millions of files in Kubernetes.
- Deployed a reverse proxy with Nginx and Docker, reducing data access latency by 40%.
- Led a team of 4 interns, ensuring seamless collaboration and 100% completion of project milestones via GitHub and Trello.

Software Engineer Intern - Nearabl, Inc. *New York, NY* September 2023 - January 2024

- Built an object detection app with Python, Flask, OpenCV, and React, enhancing Nearabl's AI visualization capabilities.
- Leveraged AWS S3 and DynamoDB to manage object detection data, increasing data retrieval speed by 30%.
- Improved Nearabl's Building AI for navigation and wayfinding, reducing navigation-related support requests by 100%.

PROJECTS

Computer Science Club President - Club Website June 2024 - Present

- Leading a team of 10+ developers to build the club's website, serving 1,000+ computer science majors. [GitHub Link]
- Implemented RESTful APIs with Java/Spring Boot, responsive UI with TypeScript/React, and database with PostgreSQL.
- Developed an AI chatbot with Python, Flask, LangChain, and LLM, improving inquiry resolution speed by 200%.
- Streamlined deployment workflows with Docker, GitHub Actions, and Linux, reducing deployment time by 40%.

Tech Lead - NutriVoice (First Place at Columbia University Hackathon) February 2025

- Led a team to develop NutriVoice, an AI-powered nutrition tracking app for blind and visually impaired individuals, winning First Place in the Health & Accessibility Track. [Devpost Link]
- Built the frontend with React.js and the backend with Python/Flask, storing data in MongoDB.
- Integrated Whisper (Speech-to-Text) to capture voice input for personalized nutrition plans and used OpenAI Vision (Computer Vision) to analyze food images—extracting nutrition facts, detecting allergens, and verifying expiration dates.
- Leveraged an open-source LLM (Large Language Model) for personalized dietary feedback and Text-to-Speech for real-time guidance, ensuring accessibility for visually impaired individuals.