

Qingquan Li

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EDUCATION

City University of New York - Brooklyn College *Brooklyn, NY*
Bachelor of Science in Computer Science

Expected Graduation: December 2025

SKILLS

- **Languages:** Python, Java, JavaScript, C++, Go, SQL, Bash.
- **Tools:** AWS, Linux, Docker, Kubernetes, Terraform, Git, PostgreSQL, MongoDB, Flask, LangChain, Spring Boot, React.
- **Certifications:** AWS Certified Solutions Architect – Associate, AWS Certified Cloud Practitioner

WORK EXPERIENCE

Software Engineer Program Mentee - Google *New York, NY* March 2025 - May 2025

- Selected as one of 100 participants in a 10-week mentorship program, developing technical skills and industry knowledge.
- Participated in weekly coding sessions with a Google engineer and received feedback, improving coding efficiency by 50%.

AI Engineer Intern - Shared Studios *Brooklyn, NY* February 2025 - March 2025

- Developed a real-time speech-to-text backend in Python using Whisper and integrated it with an Electron/React.js frontend via gRPC, enabling voice commands to trigger UI actions and reducing manual interaction time by 40%.
- Created an AI assistant leveraging internal data and GPT-4o-mini to handle user queries and enhance user engagement.

DevOps 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%.
- Automated CI/CD with Docker and GitHub Actions; used Terraform for infrastructure, cutting deployment times by 50%.
- Engaged in Agile processes with cross-functional teams, consistently delivering project milestones 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 5,000+ files in Kubernetes.

PROJECTS

Computer Science Club President - Club Website and AI Chatbot [[GitHub Link](#)] June 2024 – May 2025

- Led a team of 10+ developers to build the club's website, serving 1,000+ computer science majors.
- 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) [[Devpost Link](#)] 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.
- 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.