Qingquan Li

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EDUCATION

City University of New York - Brooklyn College *Brooklyn, NY*   2022 - 2025
Bachelor of Science in Computer Science

SKILLS

- **Languages:** Python, SQL, Java, JavaScript, C++, Go, Bash.
- **Tools:** Panda, Apache Airflow, Apache Spark, Databricks, Apache SuperSet, Power BI, PostgreSQL, MongoDB, PyTorch, TensorFlow, Flask, Spring Boot, React.js, Git, GitHub Actions, GitLab, Linux, Docker, Kubernetes.
- **Certifications:** AWS Certified Solutions Architect – Associate, AWS Certified Cloud Practitioner

WORK EXPERIENCE

Data Engineer Intern - MTA *New York, NY*   June 2025 - August 2025

- Automated data processing pipelines with Apache Airflow, Python and SQL, reducing manual data processing time by 30%.
- Created a Kubernetes cluster on 5 Linux servers to deploy data applications, increasing application availability by 50%.

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

- Created an AI voice assistant leveraging internal data and LLM to handle user queries and enhance user engagement.
- 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%.

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

- Migrated 2 on-prem applications to AWS using highly available architectures (multi-availability zones, managed services).
- Automated CI/CD with Docker and GitHub Actions; used Terraform for infrastructure, cutting deployment times by 50%.

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

- Deployed a Kubernetes dashboard, streamlining the management and monitoring of Kubernetes clusters.
- Built a React-based dashboard to manage 1,000+ container image layers in the AuriStor File System, improving visibility.

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 with Java and React, serving 1,000+ computer science majors.
- Developed an AI chatbot with Python, Flask, LangChain, and LLM, improving inquiry resolution speed by 200%.

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.
- 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.