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, Spring Boot, Flask, LangChain, 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, achieving 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 1000+ 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

- Developed an object detection app with Python, 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 Website & AI Chatbot | *Java, Python, LangChain, LLM, React, Docker, Linux* June 2024 - Present

- Leading a team of 10+ developers to build the club's website, serving 1000+ 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%.

Math Learning Platform Migration | *Python, JavaScript, Bash, GitHub Actions, AWS* September 2022 - May 2023

- Migrated a nonprofit's math learning platform with 10,000+ users from GoDaddy to AWS, improving availability by 50%.
- Automated database backups with Bash scripts, streamlining operations and reducing manual workload by 80%.
- Developed a tutoring appointment feature for the platform, facilitating 200+ sessions during the pandemic. [GitHub Link]

ACTIVITIES

- **President - Computer Science Club** (May 2024 - Present)
  Leading the development of the club website and AI chatbot; organizing 20+ events and workshops for 500+ members.
- **First Place Winner - John Jay Hackathon** (April 2023) [Project Details Link]
  Developed a cloud-based language learning platform, winning First Place in the Most Innovative/Creative category.
- **Research Assistant - Research Foundation of The City University of New York** (September 2022 - August 2023)
  Built an AI system to label storefront accessibility data, improving navigation success for the visually impaired by 25%.