

## Qingquan Li

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### EDUCATION

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

Expected Graduation: December 2025

### WORK EXPERIENCE

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**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 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% project milestones completion 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

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**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, FastAPI, LangChain, and LLM, improving inquiry resolution speed by 200%.
- Streamlined deployment workflows with Docker, GitHub Actions, and Linux, reducing deployment time by 40%.

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

- Developed a tutoring appointment website for a non-profit, facilitating 200+ sessions during the pandemic. [[GitHub Link](#)]
- Automated database backups with Shell Scripting (Bash), streamlining operations and reducing manual workload by 80%.
- Migrated a free math homework system with 10,000+ users from GoDaddy to AWS, improving availability by 50%.

### ACTIVITIES

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• **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 ESL 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%.

### SKILLS

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