Qingquan Li

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EDUCATION

Brooklyn College *Brooklyn, NY* Expected Graduation: May 2025
Bachelor of Science in Computer Science

SKILLS

- **Programming languages:** Java, Python, TypeScript, JavaScript, Go, SQL, HTML, CSS.
- **Frameworks/Libraries:** Spring Boot, Django, Flask, Node.js, React, Bootstrap, Tailwind CSS.
- **Tools/Technologies:** REST APIs, AWS, Google Cloud Platform, Docker, Kubernetes, Git, GitHub Actions, PostgreSQL, MongoDB.
- **Certifications:** AWS Certified Cloud Practitioner (09/2023 Verification Link), CUNY Researchers (09/2022 Verification Link).

WORK EXPERIENCE

AuriStor, Inc. *New York, NY* February 2024 – April 2024
Software Developer Intern

- Co-developed a dashboard for the AuriStor Container Accelerator to efficiently manage container image layers from AuriStor's distributed file system. Used TypeScript, React, Go, and Docker.
- Collaborated within a four-person team, utilizing GitHub and Trello for project management, with responsibility for developing authorization and token-based authentication features.
- Improved proficiency in REST APIs, Docker, and Kubernetes, while enhancing collaborative abilities in an agile team environment.

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

- Created a real-time 2D/3D object detection system for web deployment, enabling instantaneous identification of specific objects using feature-matching in diverse environments. Utilized OpenCV, Python, Flask, React, and AWS (S3 and DynamoDB).
- Enhanced user navigation by integrating computer vision and object detection technologies into neARabl's indoor navigation solution, significantly improving interactive guidance and operational efficiency in complex building environments.
- Developed skills in problem-solving and teamwork, combining engineering and research for project success.

City University of New York *New York, NY* September 2022 - August 2023
Research Assistant

- Collaborated with a research team to design a crowdsourced mobile app that collects storefront accessibility data, aiding in the creation of an accessible storefront open-source map. Used Java, Spring Boot, React, MongoDB, Docker, and GCP (Cloud Run and Firebase).
- Contributed to empowering visually impaired individuals to navigate urban environments with greater independence and confidence.

PROJECTS

CSV Data Visualization | *Python, Flask, Pandas, React, Tailwind CSS, Docker, GitHub Actions, Linux* August 2023 - August 2023

- Created a full-stack web application designed for the visualization and search of customer data stored in a CSV file, employing Python for crafting RESTful APIs and React for the frontend interface. [GitHub Link]
- Deployed the application on a Linux server leveraging Docker for containerization and GitHub Actions for CI/CD processes.

Open Education Resource Website | *Python, Django, React, Bootstrap, PostgreSQL, Docker, AWS* September 2022 - May 2023

- Co-developed a website for a college math department to simplify the process of reserving math tutoring sessions. Facilitated over 200 tutoring appointments, markedly improving the efficiency and accessibility of math tutoring services. [GitHub Link]
- Migrated an open education resource website with 10k+ users from GoDaddy web hosting to AWS, utilizing Docker for containerization.

ACTIVITIES

- **Computer Science Club - President** (May 2024 - Present)
  Leading the development of the club's website, actively preparing for an upcoming Hackathon, and co-organizing a series of events and workshops. These efforts aim to facilitate knowledge sharing and foster a collaborative community among club members.
- **Big Data and Machine Learning Summer Boot Camp - Participant** (July 2023 - August 2023) [GitHub Link]
  Learned Python for Data Science, Data Visualization, Supervised/Unsupervised Learning, Model Evaluation and Improvement, Neural Networks (TensorFlow), and Case Study: Classification of Breast Cancer Image Datasets on AWS EMR.
- **John Jay Hackathon - First Place Winner** (April 2023) [Project Details Link]
  Participated in the John Jay Hackathon, alongside students from various CUNY Colleges and NYU, and won First Place in the Most Innovative/Creative Category. Our team built a website that connects English as a Second Language (ESL) learners with native English-speaking volunteers, to help learners enhance their English-speaking skills and explore American culture.