Qingquan Li

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EDUCATION

Brooklyn College *Brooklyn, NY*   Expected Graduation: May 2025

Bachelor of Science in Computer Science

SKILLS

- **Programming languages:** Python, Java, Go, JavaScript, SQL, HTML, CSS.
- **Frameworks/Libraries:** Django, Flask, Spring Boot, Node.js, React, Bootstrap, Tailwind CSS.
- **Tools/Technologies:** REST APIs, Docker, Linux, AWS, Google Cloud Platform, Git, GitHub Actions, PostgreSQL, MongoDB.

WORK EXPERIENCE

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. Used 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 - CUNY Research Scholars Program *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

Data Visualization Demo | *Go, TypeScript, React, Tailwind CSS, Docker, GitHub Actions, Nginx, Linux*   January 2024 - January 2024

- Created a full-stack web application enabling visualization and search functionality for customer data. Utilized Go to create RESTful APIs and TypeScript/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.

Tutoring Appointment and Management | *Python, Django, React, Bootstrap, PostgreSQL, AWS*   September 2022 - May 2023

- Co-developed a website for a college math department to simplify the process of reserving math tutoring sessions. [GitHub Link]
- Facilitated over 200 tutoring appointments, markedly improving the efficiency and accessibility of math tutoring services.

College Social App | *Java, Python, JavaScript, MySQL, Linux*   May 2019 - June 2021

- Co-founded a startup and co-built a social app for college students, featuring forums, class schedules, dating, and events.
- Achieved 5.8M page views, 24K unique visitors, 6K daily active users, and 15K posts on the app.

CERTIFICATIONS

- **AWS Certified Cloud Practitioner** (September 2023) Verification Link
- **CUNY Researchers** (September 2022) Verification Link

ACTIVITIES

- **Big Data and Machine Learning Summer Boot Camp - Participant** (July 2023 - August 2023) Study Notes 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.
- **Student Government Association - Student Representative** (July 2023 - December 2023)
  Served as a student representative in the Student Government Association, where I learned to effectively engage in organizational activities, facilitate open communication with fellow students, and promote school events to boost wider student participation.
- **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.