# 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, JavaScript, SQL, PHP, HTML, CSS.
- **Frameworks:** Django, Flask, Spring Boot, Node.js, React, Bootstrap, Tailwind CSS.
- **Tools and Technologies:** PostgreSQL, MySQL, MongoDB, REST APIs, Git, Linux, Docker, AWS.

## 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 and blind individuals 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, Python, React, MongoDB, and Docker.
- Contributed to empowering visually impaired individuals to navigate urban environments with greater independence and confidence.

**Guangzhou Sanyueyi Information Technology CO., LTD.** *Remote* May 2019 - June 2021

*Co-founder*

- Co-developed a social app for college students, featuring forums, class schedules, dating, and events. Used Java, JavaScript, and MySQL.
- Led operations and marketing for the app, achieving 5.8M page views, 24K unique visitors, 6K daily active users, and 15K posts.

## PROJECTS

**US Data Visualization** | *Python, Flask, React, Tailwind CSS, Docker, GitHub Actions, Linux, Nginx* August 2023 – August 2024

- Developed a full-stack web application enabling visualization and search functionality for customer data. Utilized Flask to create RESTful APIs and React for the frontend interface. [Project 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. [Project GitHub Link]
- Facilitated over 200 tutoring appointments, markedly improving the efficiency and accessibility of math tutoring services.

## CERTIFICATIONS

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

## ACTIVITIES

- **Big Data and Machine Learning Summer Boot Camp** (July 2023 - August 2023) Link: Study Notes
  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** (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** (April 2023) Link: Project Details
  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.