

Lucas Yao

Brooklyn, NY | lucas.yao@jjay.cuny.edu | [GitHub](#) | [LinkedIn](#) | [Personal-Site](#)

EDUCATION

B.S. Computer Science & Information Security, Minor in Mathematics, John Jay College of Criminal Justice, May 2025

A.S. Computer Science, Borough of Manhattan Community College (BMCC), Graduated December 2023

- *Relevant Coursework*: Advanced Programming Techniques (OOP, C++), Data Structures in C++, Software Development, Cryptography and Cryptanalysis, Computer Networks, Operating Systems, Probability & Mathematical Statistics I, Programming languages, Machine Learning, Linear Algebra

CERTIFICATIONS

- **Google Data Analytics Certificate**, Coursera, June 2024

SKILLS AND INTERESTS

- Programming Languages: C++, Python, JavaScript, SQL, PHP, HTML, CSS
- Frameworks and Libraries: React, Django, ggplot2, tidyverse
- Cloud and AI: Microsoft Azure AI, Amazon AWS
- Languages: Mandarin (fluent), English
- Interests: Volleyball, Snowboarding, Jogging, Swimming.

EXPERIENCE

College Assistant | BMCC/ New York, NY | September 2023 - December 2023

- Assisted the professor in Computer Science 101 lectures and provided one-on-one student tutoring on subject matters such as principles in information technology and computation, enhancing their overall learning experience.
- Collaborated in curriculum development, organized study groups, and facilitated administrative tasks to ensure a conducive academic environment.

BMCC Technology Learning Community Intern | BMCC | New York, NY | May 2023 – July 2023

- Analyzed university enrollment and graduation rates in STEM majors throughout the US in the past two decades using Azure AI, SQL, PHP, JavaScript, and Pandas languages. Created a [website](#) using Django framework and Python to showcase our insights.
- Developed a user-friendly [curriculum search website](#) using Django framework, CSS, HTML, JavaScript, and SQL to assist computer science students in selecting appropriate courses.

Staff Accountant | VX Accounting & Tax Inc., / Brooklyn, NY | January 2020 – January 2024

- Conducted client interviews to gather information for income, deductions, and tax credits.
- Assisted CPA in preparing individual and corporate tax returns on Drake.
- Performed bookkeeping and bank reconciliations on QuickBooks.

PROJECTS

BMCC Foundation Fund for Undergraduate Research | New York, NY | September 2023 - December 2023

Project: [Web-based educational Q&A platform](#)

- Developed a web-based chatbot assistant using React framework, python, JavaScript, HTML, CSS, and Django framework tailored for children with autism spectrum disorder (ASD).
- Implemented UX/UI design principles to make the chatbot interactive and intuitive for the user.

LEADERSHIP / ACTIVITIES

City University of New York (CUNY) Tech Prep · Apprenticeship, June 2024 – Present

CUNY Peer Leadership Program, September 2022 – May 2023

- Developed leadership and verbal and written communication skills by contributing to program blogs and participating in events throughout CUNY campuses.