Lucas Yao

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EDUCATION

John Jay College of Criminal Justice, City University of New York (CUNY), New York, NY

B.S. Computer Science & Information Security, Minor in Mathematics | GPA: 4.00   Expected May 2025

A.S. Computer Science**,** Borough of Manhattan Community College (BMCC)   Dec 2023

Relevant Coursework: Programming Techniques (OOP, C++), Data Structures, Software Development, Cryptography and Cryptanalysis, Computer Networks, Operating Systems, Probability & Mathematical Statistics, Programming Languages, Machine Learning

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
- Spoken Languages: Mandarin (fluent)

Experience

College Assistant | BMCC / New York, NY   Sep 2023 - Dec 2023

- Assisted Computer Science 101 professor with lectures and provided one-on-one student tutoring on subjects such as information technology and computation, enhancing their overall learning experience.

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

- Collaborated with a team to design and develop a user-friendly website for BMCC.
- Implemented key features such as a curriculum search function, live chat support, and data analysis visualizations, providing comprehensive resources for academic and career guidance and aiding in informed decision-making for students in the CIS department.

Staff Accountant | VX Accounting & Tax Inc. / Brooklyn, NY(Seasonal)   Jan 2020 – Jan 2024

PROJECTS

Web-based educational Q&A platform | GitHub   Sep 2023 - Dec 2023

- Designed and developed a web-based Q&A platform with a chatbot for parents, healthcare professionals, and educators of children with autism spectrum disorder.
- Utilized React, Python, JavaScript, and Django to create an interactive and intuitive chatbot experience.
- Applied UX/UI design principles to enhance usability and engagement, improving overall user experience and accessibility.

BMCConnect | Website   May 2023 – Jul 2023

- Analyzed STEM enrollment and graduation rates in the US using SQL, JavaScript, and Pandas.
- Developed a dynamic website with Django and Python to showcase analytical insights.
- Created a user-friendly curriculum search & course planner pages with Django framework, JavaScript, SQL, CSS, and HTML for students.

LEADERSHIP / ACTIVITIES

CUNY Tech Prep · Data Science Fellow   Jul 2024 – Present

CUNY Peer Leadership Program   Sep 2022 – May 2023

- Developed leadership and spoken and written communication skills by contributing to program blog posts and participating in events throughout CUNY campuses.

CERTIFICATIONS

- **Google Data Analytics Certificate**, Coursera, June 2024 - Link
- **Databases for Data Scientists Specialization**, Coursera, July 2024 - Link