

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, Pandas
- 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.

BMCCConnect | [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

Computer Science Society Club - Web Developer

- Assist President in helping maintain the CSS [Website](#)

CUNY Tech Prep · Data Science Fellow

Jul 2024 – Present

- Selected for a competitive data science fellowship with students from across the 11 CUNY senior colleges, where fellows create technical projects using tools such as Python 3, Anaconda, Jupyter Notebook, Pandas, Numpy, Tensorflow, and Scikit-learn.

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](#)