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

Relevant Coursework: Programming Techniques (OOP, C++), Data Structures, Computer Algorithms, Software Development, Linear Algebra, Probability & Mathematical Statistics, Programming Languages, Machine Learning

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

Emotionfy | GitHub-Repo   Sep 2024 - Dec 2024
- Developed a real-time emotion detection system using Convolutional Neural Networks (CNN) and integrated with Spotify's API to create dynamic playlist recommendations based on facial expressions.
- Engineered a full-stack application using React for the frontend interface and Flask backend to process facial recognition data and handle API communications.
- Implemented deep learning models trained on 35,000+ facial images to classify seven distinct emotions, achieving 85% accuracy in real-time emotion detection.

BMCConnect | Github-Repo   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   Sep 2024 – Present
- 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