

Lu Yao (Lucas)

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[GitHub](#) | [LinkedIn](#)

Education

Borough of Manhattan Community College

Associate's degree in computer science, GPA: 3.98, Dean's List Fall 2022, Spring 2023

New York, NY

Spring 2022 - Present

Expected Graduation date: December 2023

- **Relevant Coursework:** Advanced Programming Techniques (OOP, C++), Data Structures in C++, Software Development, Fundamentals of Computer Systems.
- **Technical Skills:** HTML, C++, CSS, PHP, SQL, Python, JavaScript, Microsoft Azure AI

Experience

College Assistant

New York, NY

Borough of Manhattan Community College

Fall 2023 Sep 11th- Dec 25th

- Assist the professor in lectures and provide one-on-one student tutoring, enhancing their overall learning experience.
- Collaborate in curriculum development, organize study groups, and facilitate administrative tasks to ensure a conducive academic environment.

Internship program, Database Data Science and Azure AI Implementation

New York, NY

Borough of Manhattan Community College

Summer 2023 May 30th – July 20th

- Participated in a focused internship program that specialized in Database Data Science and Azure AI implementation with SQL, PHP, JavaScript, and Pandas languages to analyze the enrollment and graduation rate in the STEM majors around the U.S in the past two decades.

Staff Accountant, VX Accounting & Tax Inc.,

Brooklyn, NY

January 2020 – April 2023

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

Projects

[2023 BMCC Technology Learning Community Internship]

New York, NY

Summer 2023 May 30th – August 20th

Website Development Project: Curriculum Search Site for Computer Science Students

- Developed a curriculum search website using **PHP, CSS, HTML, JavaScript, and SQL** for better assisting students' academic life in their freshman year in college.
- Created a user-friendly interface to assist computer science students in selecting appropriate courses throughout semester, avoiding unnecessary trouble, and preparing for their career readiness.

[Course # CSC211]

BMCC Spring 2023

QT Framework Project: Tutor Matching and Self-Learning Application for Minority Group Students

- Built a QT application using **C++** with a UI interface to facilitate tutor matching and self-learning for students to escalate students study passion in the STEM majors.

Leadership/ Activities

CUNY Peer Leadership Program, Fall 2022 – May 2023

- Developed leadership skills through activities and events within communities and colleges.
- Developed year-long projects and created a portfolio of public writing pieces or other creative works on the program blog.

BMCC Foundation Fund for Undergraduate Research Fall 2023 - Dec 2023

Project: Designing Educational Web-based Games for Children with ASD

- Collaborated with the Professor on a research project focused on developing educational web-based games tailored for children with Autism Spectrum Disorder (ASD).
- Contributed to the design and implementation of interactive and educational gaming experiences aimed at enhancing daily life activities for children with ASD.