SIYU XIAO

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EDUCATION

Northeastern University   **Boston, MA**

Master of Science in Computer Science   *Expected June 2024*

Cumulative GPA: 3.91/4.00

Relevant Coursework: Data Structures, Object-Oriented Design, Web Development, Database Management System, Algorithm, Foundation of Software Engineering

Baruch College/City University of New York, Zicklin School of Business   **New York, NY**
Bachelor of Business Administration; Finance Major, Mathematic Minor   *June 2021*
Cumulative GPA: 3.88/4.00   Dean's list
Relevant Coursework: Programming and Computational Thinking, Probability, Calculus I, Calculus II, Calculus III

SKILLS

- **Programming Language:** Python, Java, JavaScript, HTML, CSS, C, D
- **Frameworks/Libraries:** Node.js, Express.js, React, Redux, Bootstrap
- **Databases:** MongoDB, MySQL
- **Tools:** Git, Vim, VSCode, Microsoft Word, Excel, PowerPoint, R

PROJECTS

Shape Photo Album (with Swing GUI) | Java Application

- Built a shape photo album application that dynamically generates photo layouts based on instructions from a text file
- Designed the application with Model-View-Controller architectural to divide the program logic into three interconnected elements that allowed for easier modification

Anime Web App | MongoDB, Express, React, Node | Full stack web app

- Created a full stack Anime web application with extensive user functionality, including search capabilities, the ability to like and comment on Animes, and the option to explore other user's public profiles to view their liked and commented Animes
- Applied the RESTful principle on the application to carry out intuitive API endpoints in with Node.js, Express.js, and MongoDB in the backend

Real-time Collaborative Paint App | DLang Application

- Developed a real-time collaborative paint application using TCP socket to enable multi-user real-time connections on a shared canvas, changes made by one user were instantly propagated to all connected users
- Implemented features such as changing brush type, brush size, and brush color to provide a versatile painting experience
- Integrated undo and redo functionality to allow users to easily modify their paintings and iterate on their designs

WORK EXPERIENCE

Al Capital   **Virtual**

Investment analyst intern   *May 2020 – July 2020*

- Researched and compiled reports about specific industry/company regarding their market size and growth opportunities
- Estimated company value using discounted cashflow model and comparable company analysis in Excel

TBaar Inc   **New York, NY**

Assistant Manager   *June 2017 – September 2019*

- Managed day-to-day supervision of 10 employees, ensured all employees are fully aware of the procedures and policies
- Performed well in a challenging, fast-paced environment, handling several tasks simultaneously and serving more than 200 customers per day