

SIYU XIAO

Boston, MA 02148 | (718) 419-2580 | xiao.siy@northeastern.edu
<https://siyuxiao.netlify.app> | <https://github.com/SiyuXiao8>

EDUCATION

Northeastern University

Boston, MA

Master of Science in Computer Science

Expected June 2024

Cumulative GPA: 3.91/4.00

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

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, Statistics, Probability, Calculus I, Calculus II, Calculus III

SKILLS

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

PROJECTS

Real-time Collaborative Paint App | DLang Application

Paint application that offers multi-user connections and abilities to change brush type, brush size, and brush color

- Developed the application using TCP socket to ensure reliable multi-user real-time connections on a shared canvas, changes made by one user were instantly propagated to all connected users without losing any information
- Established the method of communication over socket by employing the JSON data format due to its readability nature
- Programmed undo and redo features by using the queue data structure to allow users to modify their paintings

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

Full stack Anime web app with features: search, like, comment, view other user's profile to explore their like and comment

- Implemented the search feature and the top trending anime page using the third-party anime API called 'Jikan'
- Applied the RESTful principle on the users, reviews, and the favorites controller to allow for flexibility and scalability
- Utilized MongoDB to make information like user, reviews, and likes persists and easily accessible for API request

Shape Photo Album | Java Application

Shape Photo Album that generates photos based on instructions from a text file, user can pick between web or graphical view

- Utilized Swing GUI to offer user abilities to switch between photos and select the specific photo they desire
- Designed the application with Model-View-Controller architectural to divide the program logic into three interconnected elements that allowed for easier modification

WORK EXPERIENCE

AI 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