

SIYU XIAO

Queens, NY 11421 | (718) 419-2580 | siyuxiao8@gmail.com
www.linkedin.com/in/siyu-xiao | https://siyuxiao.netlify.app/

EDUCATION

Northeastern University

Boston, MA

Master of Science in Computer Science

May 2024

Cumulative GPA: 3.88/4.00

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

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

PROJECTS

BrainRush | Android app

Android learning app that offers users features to learn, make, and compete with other users in real-time

- Collaborated with a team through weekly meetings and pair programming sessions to ensure agile development
- Enhanced user engagement by providing daily questions, leveling up capabilities, and user-driven creation of content
- Engineered the app utilizing Firebase to efficiently manage dynamic data, ensuring seamless live data synchronization

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
- 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 a third-party anime API called 'Jikan'
- Applied the RESTful principle on the users, reviews, and 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 photo based on instructions from a 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

TBaar Inc

New York, NY

Manager

June 2017 – September 2019

- Managed day-to-day supervision of 10 employees, ensured all employees are fully aware of the procedures and policies
- Thrived in a dynamic environment, managing multiple tasks and serving over 200 daily customers effectively

SKILLS

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