

Matthew Mirza

US Citizen | Framingham, MA | (508)-808-9172 | mirza.ma@northeastern.edu | github.com/Mmirza964
linkedin.com/in/matthew-mirza | matthew-mirza-portfolio.netlify.app | Availability: January - June

Education

Northeastern University – Khoury College of Computer Sciences (GPA: 3.759/4.00) **Boston, MA**
Candidate for B.S. in Computer Science and Business + M.S. in Computer Science (4+1) Sep 2023 – May 2027

- **Concentration:** Financial Technology - **Minor:** Computational Data Analytics
- **Related Coursework:** Algorithms (MS), Object-Oriented Design, Database Design, Fundamentals of CS 1 & 2
- **Honors:** Dean's List

Skills and Certifications

- **Languages:** Java, JavaScript, HTML/CSS, Python, SQL
- **Tools/Frameworks:** Git, React.js, Node.js, Docker, Microsoft Excel, Power BI
- **Certifications:** Microsoft Azure Data Fundamentals DP-900

Experience

The Village Bank **Newton, MA**
Personal Banker II / Core Systems Intern (Summer 2023) July 2021 – Present

- Conduct teller transactions including cash handling, check deposits, withdrawals, and account inquiries with accuracy and attention to detail.
- Led with the project manager to update workflows and procedures related to the integration of third-party software, ensuring alignment with organizational objectives and regulatory requirements.

Projects

Portfolio Website (React.js, HTML, CSS, Javascript)

- Developed a responsive portfolio website with React.js showcasing personal projects, technical skills, and providing methods of contact.
- Designed a multi-page layout with smooth navigation and animations, enhancing the user experience across desktop and mobile devices.

Web Chat App (Node.js, React.js, Next.js, Javascript)

- Built a web chat app similar to Omegle with a type-safe user interface and server-side rendering utilizing Next.js.
- Developed the backend with Node.js and JavaScript, using Express to host an HTTP server and enable WebSocket communication for real-time chat functionality, managing user sessions, and maintaining chat logs for data persistence.

Data Engineering Project (SQL, Microsoft Azure, Power BI)

- Migrated an on-premises SQL database to Azure Data Lake using Azure Data Factory, leveraging automated pipelines for efficient data ingestion, followed by simple data cleansing in Azure Databricks.
- Developed SQL queries in Azure Databricks and visualized the results through a Power BI dashboard.

Activities

Oasis Club (Python, SQL, HTML, CSS, React.js) **Sep 2024 – Present**

- Member of a selective project-based club. Creating a database, REST API, and UI using Python, SQL, and React for an app that will output suggested recipes based on user input ingredients. Project is currently underway.

ReNU Club (C / C++, Arduino IDE) **Sep 2024 – Present**

- Contributed to the development of software for controlling key windmill components for a prototype windmill designed for a national collegiate competition hosted by the U.S. Department of Energy in 2025.

Robotics Club (Python, C++, ROS) **Jan 2024 – Apr 2024**

- Utilized Git to manage and review the codebase for the Robot Dog project, analyzed the code for improvements, and proposed changes to enhance efficiency and introduce new features.

Interests

- Soccer (FC Barcelona), Weightlifting, Cars, Aviation, Travel, Stocks / Trading, Investments, Real Estate, Data Analysis, Data Visualization, Web Development, Machine Learning / AI