

Matthew Mirza

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Education

Northeastern University – Khoury College of Computer Science

B.S in Computer Science and Business Administration

Boston, MA

Expected Graduation, May 2027

- **Concentration:** Financial Technology
- **Minor:** Computational Data Analytics
- **Cumulative GPA:** 3.759 / 4.00
- **Related Coursework:** Discrete Structures, Fundamentals of Computer Science 1 & 2, Object-Oriented Design, Introduction to Math Reasoning, Object Oriented Design, Database Design, Algorithms (Master's Level)
- **Activities:** Robotics Club, Dean's List

Experience

The Village Bank

Personal Banker II / Core Systems Intern (Summer 2023)

Newton, MA

July 2021 – Present

- Conducted teller transactions including cash handling, check deposits, withdrawals, and account inquiries with accuracy and attention to detail.
- Coordinated 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.

Roche Brothers Supermarket

Customer Service Representative / Shift Supervisor

Natick, MA

June 2019 – May 2023

- Demonstrated strong leadership skills as a shift leader, overseeing daily operations, assigning tasks, and coordinating activities to ensure smooth workflow and efficient customer service delivery.
- Trained and supervised team members, providing guidance on customer service best practices, product knowledge, and store policies to enhance performance and productivity.

Projects

Robot Dog (Robotics Club)

- Contributed to the development of code for Robot Dog project within the Robotics Club, utilizing Python and Robot Operating System (ROS) in Linux environment.
- Shared and managed codebase efficiently using Git and GitHub, facilitating seamless collaboration and version control among team members.

Portfolio Manager

- Developed a robust stock portfolio management application using Java and Java Swing, enabling users to track and manage their stock investments through a simple and intuitive user interface.
- Integrated the Alpha Vantage API to fetch real-time stock data, providing accurate and up-to-date information for portfolio analysis and decision-making.

Data Engineering Project

- Migrated an on-premises SQL database to Azure Data Lake using Azure Data Factory, leveraging automated pipelines for efficient data ingestion, followed by advanced data cleansing and in Azure Databricks.
- Crafted and optimized complex SQL queries in Azure Synapse Analytics, utilizing pipeline automation, to extract critical insights, which were then visualized through dynamic Power BI dashboards.

Memories

- Designed and implemented a full-stack MERN application called Memories, enabling users to create posts with images and captions, capturing details of trips taken, including dates and activities.
- Utilized React for a dynamic front-end user interface, Node.js and Express for a robust back-end API, and a NoSQL database (MongoDB) to store and manage user posts efficiently.

Skills and Certifications

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- **Languages:** Java, JavaScript, HTML / CSS, Python, SQL
 - **Tools / Frameworks:** Git, React.js, Node.js, Command Line Prompt
 - **Certifications:** Microsoft Azure Data Fundamentals DP-900
 - **LinkedIn:** <https://www.linkedin.com/in/matthew-mirza-6a9264218/>
 - **GitHub:** <https://github.com/Mmirza964>