Keeyon Hajjafar

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EDUCATION

Northeastern University – Khoury College, Boston, MA   Sep 2023 – Dec 2025
MS in Computer Science Candidate, GPA: 3.9 / 4.0
Coursework: Foundations of AI, Discrete Structures & Systems, Database Management, Object-Oriented Design, Algorithms

Case Western Reserve University – College of Engineering, Cleveland, OH   Aug 2017 – May 2021
BS in Mechanical Engineering
Coursework: Introduction to Java, Statistics and using R, Computers in Mechanical Engineering, Controls Engineering

TECHNICAL KNOWLEDGE

Languages (Proficient): Python, Java, C, MATLAB, R, HTML, SQL
Languages (Fundamental Understanding): CSS, JavaScript
Tools & Frameworks: OpenCV, Git, GitHub, PyTorch, PyGame, NumPy, Java Swing, React, SQLite, MySQL, JUnit, AprilTag
Other: Certified SolidWorks Professional (CSWP), Lab Management Systems (LIMS), CAD and Vector Imaging Software

PROJECTS

Software Web App | Amphi, Pre-series A Startup   Apr 2024 – Present
• Demo for healthcare budgeting system, saving governments and companies time and money.
• Uses JavaScript with Google Sheets App Script for the back end and React for the front-end.
• Manage a team to follow deadlines and requests made by Amphi execute the project.

Stock Market Predictor   Feb 2024 – May 2024
• Create trend predictions using Markov Modeling and Reinforcement Learning with previous data of a stock.
• Model training with both Google Trends and Alpha Vantage API in Python to fetch daily market data for transfer learning.
• Focuses on fundamental data such as price movement, Price-to-Book ratio, Price-to-Earnings ratio, Capex.

MySQL Databases   July 2024
• Created several databases in MySQL and SQLite to provide efficient storage and lookup of data.
• Used raw data from a csv files and XML files to simulate data input to the databases.

EXPERIENCE

CodeAdvantage | Boston, Massachusetts   Aug 2024 – Present
Instructor
• Teaching after-school enrichment classes for children ages 7-13 how to code in languages like Python and work with robotics.

Northeastern University | Boston, Massachusetts   May 2024 – Present
Volunteer Research Assistant at Transformative Robotics Lab
• Working with soft robotics to help develop a path planning system for a robotic arm and improve position accuracy by 97.5%.
• Using AprilTags, OpenCV, motion capture systems, and machine learning concepts to achieve this goal.

Northeastern University | Boston, Massachusetts   Jan 2024 – Present
Teaching Assistant for CS 5004 (Object-Oriented Design)
• Provide supplementary material and teaching recitations over Object-Oriented Programming concepts in Java.
• Manage grading, office hours, and 1-on-1 tutoring for all students in classes as large as 160 students.

Apple | Cambridge, Massachusetts   Oct 2023 – Jan 2024
FWE Specialist
• Lead seller to uncover customer's needs providing recommendations of the right equipment in each situation.
• Introduced about 75% of small businesses to Apple's business team to provide them a funnel to improve their businesses.

Stevanato Group | Boston, Massachusetts   Oct 2022 – Sep 2023
DDS/DCS Mechanical Scientist
• Executed experiments on drug delivery systems (DDS) while responsible for communication with clients.
• Migrated lab database to LIMS to decrease work up to 80% for qualifying machines with vendors to follow ISO standards.