

Hadijah Sedanah Mashhour

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EDUCATION

Northeastern University

Boston, MA

Bachelors in Computer Science and Business with a concentration in Finance

Expected May 2025

Relevant Coursework OO Design, CyberSecurity, Algorithms & Data, Prob. Stats, Fin. and Manag. Accounting

Activities Women in Tech, NEU Blockchain (tech team), ColorStack, NU Sci, Multi

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, SQL, JavaScript, HTML/CSS, R, Javascript

Tools: React, Node.js, JUnit, Git, Docker, VS Code, IntelliJ, NumPy, TensorFlow, Scikit-learn, .Net

EXPERIENCE

Technical Lead

January 2024 – Present

Oasis

Boston, MA

- Leading a team of four in building a cross-platform mobile app using React Native for personalized projects.
- Managing regular meetings with leadership, design leads, and clients, ensuring project alignment and progress.
- Conducting code reviews, optimized git workflows, and fostering a culture of self-discovery for effective problem-solving and quality code.

Front-end developer

January 2024 – Present

NU Sci

Boston, MA

- Revamping NU Sci article page, incorporating data scraping and API integration for easier article uploading.
- Redesigning NU Sci website with modern UI/UX principles, utilizing Next.js and Docker for a responsive and efficient front-end.

Security Engineer + IT Programming Co-op

July 2023 - December 2023

Boston Water and Sewer Commission

Boston, MA

- Collaborated with AI and Cybersecurity teams to contribute to the creation of machine learning models specialized in threat detection, anomaly detection, and behavior analysis.
- Worked with Azure Cloud infrastructure and Barracuda CloudGen firewalls to implement robust security measures, improving overall system security and network integrity by 56%.
- Orchestrated efficient mobile device management, regulated data quality checks, and troubleshoot issues to propel the organization toward peak performance through AirWatch.

Data-Science Internship

May 2022 – June 2022

Harvard University

Boston, MA

- Leveraged R and Python to process and analyze vast data sets, improving data processing efficiency by 75% and ensuring data integrity throughout the analysis process.
- Developed a user-friendly data visualization dashboard with a 95% user satisfaction rating from project stakeholders.

PROJECTS

Bionic Hand | Arduino, C++, Python, MyoWare, Git, TensorFlow, Scikit-learn

2024

- Developing a machine-learning and AI based software solution in Python, integrated with Arduino MyoWare sensors, to enhance the functionality of a bionic prosthetic hand for underprivileged children amputees.
- Implementing optimization transformations to reduce sensor noise and improve reading accuracy, ensuring precise control over hand movements based on muscle activity.

RedShift | C++, Flutter, API, Dart

2024

- Developing and testing software to successfully launch FCB-controlled flights and solid motor-powered rockets to test various rocket subsystems with an eventual goal of launching a rocket with a liquid engine to 20,000 feet.
- Engineering a program automating rocket parameter adjustments at apogee, enhancing distance measurement accuracy in real-time.

Personal Portfolio | Tailwind CSS, React, Javascript, Node

2023

- Engineered a mobile-responsive personal website using React and TailwindCSS.
- Utilized server-side rendering (SSR) and markdown components (MDX) to effectively showcase personal projects and experience. Ensured fast and consistent page loads with SSR.