

Hadijah Sedanah Mashhour

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EDUCATION

Northeastern University

Bachelors in Computer Science and Business with a concentration in Finance

Boston, MA

Expected May 2026

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

Bunker Hill Community College

Associates in Liberal Arts and Sciences; GPA: 4.0 (Highest Honors)

Boston, MA

Sep 2019 – May 2021

TECHNICAL SKILLS

Languages: Java, JavaScript, SQL, R, HTML, Python

Tools: Azure, GIT, IntelliJ, Eclipse, AirWatch, LaTeX, React Native, NumPy, Matlab

EXPERIENCE

Boston Water and Sewer Commission

Security Engineer + IT Programming Co-op

Boston, MA

July 2023 – Present

- Infused engineering design principles to identify and resolve intricate design issues through comprehensive root-cause failure analyses, harmonizing technology solutions with overarching business objectives to save \$4,000,000 per quarter.
- Developed advanced automation scripts utilizing Bash and Python, optimizing device re-imaging processes and improving overall system security and network integrity by 89%.
- Spearheaded Azure cloud infrastructure optimization, implementing robust security measures with Barracuda firewalls. Orchestrated efficient mobile device management and streamlining device operations to propel the organization toward peak performance through AirWatch.

YKK Group

Software Engineer Intern

Atlanta, GA

May 2022 - June 2022

- Enhanced the Automated Inventory Management System (AIMS), improving stock tracking and reducing errors.
- Collaborated on a UI redesign for better user-friendliness, reducing training time by 20%. Focused on bug fixes, testing, and documentation.

MIST Atlanta

Front-End Developer

Atlanta, GA

April 2021 - Sep 2021

- Revitalized MIST Atlanta's website through advanced front-end development, resulting in a 60% surge in website traffic and a 45% increase in user engagement.
- Leveraged cutting-edge design principles and technologies to enhance user experience and aesthetics, elevating MIST Atlanta's online presence and perception as well as troubleshooting user requests.

Harvard University

Bio-statistical Data Scientist

Cambridge, MA

May 2020 - July 2020

- 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

Personal Website

Current

- Created a mobile-responsive personal website with React and TailwindCSS, incorporating server-side rendering (SSR) and markdown components (MDX) to showcase personal projects and posts effectively. Maintained fast, consistent page loads through SSR implementation.

Image Manipulator

March 2023

- Created a robust image processing application with a dynamic graphical user interface and a versatile terminal version.
- Engineered a sophisticated image viewer compatible with various file formats, including JPEG, PNG, and PPM, leveraging the Swing Library. Empowered users to seamlessly edit and store images on their local machines.

Set Card Game

January 2023

- Implemented an architectural overhaul using the Model-View-Controller design and the Builder pattern, resulting in a remarkable code reduction from 5,000 lines to a concise 1,000 lines to design and enhance the card game SET.