Hadiah Sedanah Mashhour

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EDUCATION

Northeastern University   Boston, MA
Bachelors in Computer Science and Business with a concentration in Finance   *Expected May 2026*

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

Bunker Hill Community College   Boston, MA
Associates in Liberal Arts and Sciences; GPA: 4.0 (Highest Honors)   *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   Boston, MA
Security Engineer + IT Programming Co-op   *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.

Harvard University   Cambridge, MA
Bio-statistical Data Scientist   *May 2022 - June 2022*
- 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.

YKK Group   Atlanta, GA
Software Engineer Intern   *April 2021 - Sep 2021*
- 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   Atlanta, GA
Front-End Developer   *May 2020 - July 2020*
- 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.

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.

XKCD Password Generator   January 2023
- Implemented an architectural overhaul using the Model-View-Controller design and the XKCD method, resulting in a remarkable code reduction from 5,000 lines to a concise 1,000 lines to design a secure password generator.