Mohamed Hosh

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EDUCATION

The Ohio State University — Columbus, OH
Bachelor of Science in Computer Science, Minor in Math, GPA: 3.6 — Expected May 2026
Awards/Honors: Morrill Scholar, Second-Year Transformational Experience Program(STEP)
Relevant Coursework: Data Structures and Algorithms, Software Development and Design, Low-Level Programming and Computer Organization, Operating Systems, Fundamentals of Engineering, Web Applications, Advancing Programming Principles, Discrete Structures, Software Components
Organization: NSBE, CodePath, ColorStack, Collaborative Software Development Club, SSA (Mentor)

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Angular, Python, HTML, C++, Unit Testing, x86 Assembly, SQL, Ruby, Swift
Software: Eclipse, Android Studio, Visual Studio, CSS, Git, MySQL, XCode
Frameworks: React, Node.js, Angular.js, Junit, Linux, Unix, Express.js, MongoDB, REST API

WORK EXPERIENCE

Ezurio — Akron, OH
Incoming Software Engineering Intern — Aug 2024 – Dec 2024

The Ohio State University — Columbus, OH
Web Developer/ Front-end Engineer(Research Intern) — April 2024 – Aug 2024
- Collaborated within a six-member team to construct an accessible website and intuitive software, successfully ensuring the distribution of over 100,000 meals to kids without access to food beyond school hours.
- Engaged directly with end-users to gather feedback on software usability and functionality, leading to iterative improvements and modifications to both the website and software for enhanced user experience.
- Architecting a comprehensive Project Manager interface that provides functionalities like Overdue Review, Site Sequencing, and integration with additional applications.

PROJECTS

E-commerce Web Application(JavaScript, Node.js, Express.js, React, MongoDB, HTML5)
- Led a 4-person team to design and implement back-end using Node.js and Express.js.
- Developed RESTful APIs for user authentication, product management, and order processing.
- Utilized MongoDB for data storage, managing complex queries for efficient data retrieval.
- Launched the app, supporting 200+ active users and processing 500+ transactions in the first month.

Final Schedule Viewer(Java, Spring Boot, MongoDB, HTML, CSS, JavaScript)
- Developed a full-stack web application used by over 500 students at The Ohio State University for finals scheduling. Visit osufinals.com for details.
- Scraped data using Python scripts from OSU's API, converting it into JSON files for effective backend data management.
- Implemented a RESTful backend with Java Spring Boot and MongoDB, alongside a user-friendly front end using HTML, CSS, JavaScript, and Bootstrap.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow — Washington, DC
Career Preparation Fellow — Oct 2023 – Present
- Accepted into a selective 18-month professional development program for high-achieving diverse talent
- Complete business case studies and assignments to grow leadership and technical skills
- Attend conferences hosted by industry leaders, such as Deloitte, LinkedIn, and Target

Minorities in Tech — Columbus, OH
President and Co-Founder — April 2024 – Present
- Led initiatives to support underrepresented students in STEM careers, enhancing preparation and job access.
- Orchestrated bi-weekly Leetcode sessions to prepare students for interviews and improve their readiness.
- Showcased software engineering excellence with talks by esteemed FAANG engineers.
- Championed diversity in tech by promoting equitable STEM education and expanding opportunities.

ADDITIONAL SKILLS AND INTERESTS

Artificial Intelligence, Data Management, Problem Solving, Software Engineering