

BOSTON MWANSA

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PROFESSIONAL SUMMARY

As a Computer Scientist, my primary strength lies in an inclusive approach to learning, cultivating a profound understanding of complex concepts and a knack for effective debugging. With hands-on expertise in full-stack development (Java, Python, HTML, C++, JavaScript), I bring expertise and leadership to drive innovation and make it a priority to meet set goals.

PROJECTS

1. Climate Change Social Media Website (Full-Stack Development):

Partnered with a team in crafting a climate change-focused social media website. Pioneered features like user login, posts, and real-time weather forecasts using Python, HTML, CSS, and SQL. Resolved intricate technical challenges for a polished, user-centric website.

2. Real-Time Chat Program (Python, JavaScript, Web Sockets):

Collaborated on a dynamic real-time chat program, enabling personal and group conversations. Utilized Python, JavaScript, and web sockets for swift messaging and an engaging user interface.

3. User-Friendly Restaurant Finder Application (Python, SQL, Yelp API):

Teamed up to develop an intuitive restaurant discovery app with Python, SQL, and the Yelp API. Merged novel functionalities, empowering users to easily discover top-rated dining options based on proximity.

EDUCATION

BACHELOR OF SCIENCE | COMPUTER SCIENCE | August 2020 – December 2023

Metropolitan State University | St Paul, MN

- GPA [3.7] Cum Laude, Dean's List Honoree [6] semesters.

RELEVANT COURSEWORK

Machine Learning, Software Engineering, Computer Security, Networks and Security, Parallel/Distributed Algorithms, Object-Oriented Design and Implementation, Database Management Systems, Algorithms & Data Structures, Operating Systems, Organization of Programming Languages.

WORK EXPERIENCE

TECH PROGRAM LEAD | PROGRAMMING INSTRUCTOR | Apr 2022 – Current

30,000 FEET, St Paul | MN

- Guided and supported over 100 students in earning coding certificates.
- Innovated the online learning platform using Learn Dash on WordPress, introducing new courses and interactive features. Designed engaging lesson plans, effectively communicating programming concepts to students.
- Guided a team of programming instructors and tutors for the successful delivery of technical curriculums. Collaborated on refining the program curriculum to ensure relevance and effectiveness. Managed diverse student groups, adapting teaching styles for juvenile kids, adults, and other demographics.

TECH DEVELOPER INTERN | Jun 2021 – Aug 2021

SPONSORS FOR EDUCATIONAL OPPORTUNITY | New York, NY

- Assisted in the development and maintenance of front-end and back-end systems using Java, Python, HTML, CSS, and JavaScript.
- Gained hands-on experience in Agile methodology, and Jira for project management, and participated in code reviews.

TECH CONSULTANT | Jan 2022 – Aug 2022

TARGET, Woodbury | MN

- Applied profound technical expertise to deliver tailored solutions, showcasing acute understanding of software needs.
- Cultivated enduring customer connections, fostering recurrent engagements and brand allegiance.
- Collaborated with team members to ensure a cohesive and positive in-store experience for customers.

TECHNICAL SKILLS

Python, Java, JavaScript, C#, C++, HTML, CSS, SQL, Angular, React, Wireshark, GitHub, YAML, Eclipse, Jira, TCP/IP protocols, Asana, and Visual Studio Code.

SOFT SKILLS

Strong Communication, Interpersonal Skills, Collaboration, Adaptability, Critical Thinking Skills, and Classroom Instruction