RICHARD MALIYETU

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EDUCATION

University of Maryland Baltimore County   **May 2025**

Bachelor of Science, Computer Science (GPA: 3.8)
- **Achievements:** 3x Dean's List Honor recipient
- **Coursework:** Introduction to Object-Oriented Programming (CMSC 202), Data Structures (CMSC 341), Design & Analysis of Algorithms (CMSC 441), Software Engineering (CMSC 447), Database management Systems (CMSC 461), Artificial Intelligence (CMSC 471)

PROJECTS

Retriever's Essentials Inventory App | *UMBC*   **Present**
- Building a web app for Retriever Essentials, enhancing campus food inventory management.
- Implementing admin/user roles, reducing manual tracking efforts and improving efficiency.
- Developing using React, Fast API (Python), and MariaDB, ensuring scalability and reliability.
- Integrating RBAC, improving security and controlled access to inventory operations.
- Collaborating in an Agile environment, using Git for version control and sprint-based development.

Pathfinder   **2024**
- Developed a real-time pathfinding visualizer with dynamic grid creation and obstacle placement.
- Integrated live animations and real-time feedback for an engaging user experience.
- Built with TypeScript, Next.js, and Tailwind CSS, ensuring smooth performance and responsiveness.

Editor   **2024**
- Designed a scalable SaaS platform for video/image editing with Next.js, Prisma, and NeonDB.
- Optimized database queries and caching for seamless multi-device accessibility.
- Implemented secure authentication via Clerk, improving user privacy and access control.

Note App   **2024**
- Developed a real-time note management system using React and Appwrite subscriptions.
- Implemented smooth CRUD operations with React hooks, enhancing user efficiency.
- Styled with Tailwind CSS, improving UI responsiveness and experience.

Movie Player   **2023**
- Built a C++ movie player with a dynamic playlist system using templated linked lists.
- Implemented sorting, filtering, and playlist management for an intuitive user experience.
- Optimized memory usage with dynamic allocation and operator overloading, improving performance.

SKILLS & INTERESTS

- C++, Python, JavaScript, SQL, React, Tailwind CSS, HTML5, CSS3, MongoDB, MariaDB, Soccer, Gym, Running, Reading

WORK EXPERIENCE

BiiTech Solutions | *Web Developer Intern*   **May 2025**
- Enhanced and maintained the organization's website by integrating mental health resources and event information, resulting in improved user engagement
- Implemented UI/UX improvements to ensure accessibility compliance and optimized user experience, leading to increased user satisfaction
- Assisted in testing, debugging, and SEO optimization while analyzing site traffic using Google Analytics, which improved site performance and visibility
- Maintained back-end databases, documented updates, and tracked project progress to ensure accuracy and security, enhancing data integrity

Panda Express | *Kitchen Team Member*   **2021 - 2023**
- Enhanced kitchen efficiency in a high-paced environment by organizing tasks and fostering teamwork, leading to smoother operations
- Assisted with food prep, sanitation, and inventory management, ensuring compliance with safety standards and contributing to a clean and organized kitchen
- Collaborated with team members to prioritize tasks, which improved kitchen efficiency and reduced preparation time

Barnes & Noble | *Customer Service Associate*   **2017 - 2020**
- Delivered excellent customer service by assisting with book recommendations and purchases, resulting in increased customer satisfaction and repeat business
- Processed transactions accurately and managed orders efficiently, ensuring a smooth checkout experience and reducing wait times for customers
- Organized inventory and maintained store presentation for an optimal shopping experience, leading to improved store aesthetics and easier product location for customers