MATHEW MESFIN

+1 (240) 633-9064 | mathewmesfin.com | mathewmesfin@gmail.com

SKILLS

Languages: Java, Python, C++, PostgreSQL, MySQL, JavaScript, PHP, HTML, Swift, Kotlin
Libraries and Frameworks: React, Tailwind CSS, Next.js, Axios, Express, Pandas, Folium, Streamlit
Tools: Git, JIRA, MongoDB, Node, Vercel, AWS, Figma, Windows, MacOS, Linux
Other: OOP, Agile Methodology, DevOps, APIs, English, ASL

EXPERIENCE

Software Engineer | *Python, Pandas, C++,*   **Jul. 2024 – Present**
Northrop Grumman   *Baltimore, MD*
- Led a data analysis project that resulted in a 20% increase in efficiency.
- Redesigned and developed an internal legacy software application tool to improve performance.
- Collaborated with a team of 10+ engineers on several standalone projects.

Student Researcher | *Python, Streamlit, Pandas, Folium*   **Aug. 2023 – May. 2024**
National Science Foundation   *Towson, MD*
- Researched, analyzed, and cleaned Baltimore crime data to bring awareness to criminal activity problems.
- Implemented and deployed to production, a visualization of 600,000+ data items.

Lab Administrator   **Aug. 2023 – May. 2024**
Towson University   *Towson, MD*
- Assisted 1,000+ students and faculty with technical questions, troubleshooting issues, etc.
- Oversaw laboratory cleanliness and organization while maintaining an inventory of lab supplies.

Software Engineer Intern | *PHP, HTML, CSS, JavaScript, MySQL*   **May. 2023 – Aug. 2023**
CourseStorm   *Orono, ME*
- Developed a waiting list feature that makes inviting waitlisted students simpler for 100,000+ customers.
- Determined and satisfied customer needs for the waiting list feature through customer interviews.
- Made multiple project plan documents, integrations, pulls, pushes, merges, and QA tests.

PROJECTS

MyFit | *Next.js, PostgreSQL, JavaScript, Tailwind CSS, Axios*   **Sep. 2023 – Dec. 2023**
- Designed, developed, and deployed a fitness website for users to track their fitness journeys, run through their workout routines, and share their progress with others on the public feed.

TravelTroveAI | *Next.js, PostgreSQL, JavaScript, CSS, API's*   **Sep. 2023 – Dec. 2023**
- Designed and developed a flight search booking app for users to search and book flights, ask AI to search for the user, translate text, and convert currencies.

My Fitness Gym | *Java, MySQL*   **Sep. 2023 – Dec. 2023**
- Designed and developed a Java application for gyms to handle data (users, classes, trainers, equipment).

EDUCATION

University of Maryland, Baltimore County   **Jan. 2025 – Present**
Masters of Professional Studies in Software Engineering   *Baltimore, MD*

Towson University   **Aug. 2020 – May. 2024**
Bachelor of Science in Computer Science   *Towson, MD*

LEADERSHIP

Ethiopian Eritrean Student Association (EESA), Towson University   **Aug. 2023 – May. 2024**
Treasurer   *Towson, MD*
- Handled all EESA's financial activity such as budgeting, planning, banking, and transactions.
- Worked with 100+ executive and regular members to organize events gathering 10,000 attendees.