

MATHEW MESFIN

+1 (240) 633-9064 | mathewmesfin.com | mathewmesfin@gmail.com | [LinkedIn](#) | [GitHub](#)

SKILLS

Languages: Java, Python, C++, JavaScript, PostgreSQL, MySQL, PHP, HTML, CSS, 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

Northrop Grumman

Jul. 2024 – Present

Linthicum Heights, MD

Student Researcher | *Python, Streamlit, Pandas, Folium*

National Science Foundation

Aug. 2023 – May. 2024

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

Towson University

Aug. 2023 – May. 2024

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*

CourseStorm

May. 2023 – Aug. 2023

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).

Virtual Shopping Center | *Java*

Apr. 2022 – May. 2022

- Designed and developed a back-end application for an online store that handles accounts, orders, membership, transaction history, etc. following my own use case and UML diagrams.

EDUCATION

Towson University

Bachelor of Science in Computer Science

Aug. 2020 – May. 2024

Towson, MD

- **Relevant Courses:** Data Structures & Algorithm Analysis, Software Engineering, Database Management, Operating Systems, Web-Based Programming, Mobile Development, Artificial Intelligence.

LEADERSHIP

Ethiopian Eritrean Student Association (EESA), Towson University

Treasurer

Aug. 2023 – May. 2024

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.