

# MATHEW MESFIN

+1 (240) 633-9064 | [mathewmesfin.vercel.app](https://mathewmesfin.vercel.app) | [mathewmesfin@gmail.com](mailto:mathewmesfin@gmail.com) | [LinkedIn](#) | [GitHub](#)

## SKILLS

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**Languages:** Java, Python, 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, APIs, English, ASL

## EXPERIENCE

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**Data Scientist** | *Python, Streamlit, Pandas, Folium*

**Aug. 2023 – Present**

*Towson University*

*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 Admin**

**Aug. 2023 – Present**

*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

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🔗 **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

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**Towson University**

**Aug. 2020 – May 2024**

*Bachelor of Science in Computer Science*

*Towson, MD*

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

## LEADERSHIP

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🔗 **Ethiopian Eritrean Student Association (EESA), Towson University**

**Aug. 2023 – Present**

*Treasurer*

*Towson, MD*

- Handled all of 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.