

Mathew Mesfin

[LinkedIn](#) | [240-633-9064](tel:240-633-9064) | mathewmesfin.vercel.app | mathewmesfin@gmail.com | [GitHub](#)

Skills

- Java | Python | PHP | HTML | CSS | SASS | Tailwind CSS | JavaScript | React | MongoDB | Vercel | Next.js | Express | OOP | Node | Git | PostgreSQL | MySQL | AWS | Streamlit | Pandas | Folium | Agile Methodology | Backend | Frontend | Full-Stack | English | American-Sign-Language |

Experience

- Data Scientist** [Towson University](#) **08/2023 – Current**
- Researched, analyzed, and organized Baltimore crime data to highlight and bring awareness to criminal activity problems.
 - Used Streamlit and Pandas with Python to clean the data and visualize the cleaned data.
- Lab Admin** [Towson University](#) **08/2023 – Current**
- Provided technical assistance to students and faculty with technical questions, troubleshooting problems, network service access requests, and software installation.
 - Oversee laboratory cleanliness and organization while maintaining an inventory of lab supplies and equipment.
- EESA Treasurer** [Towson University](#) **08/2023 – Current**
- Oversee and handle EESA financial activity including budgeting, planning, banking, and transactions.
 - Worked with our financial team along with other leaders, groups, and organizations to develop budgets and ensure resources are allocated properly.
- Software Engineer Intern** [CourseStorm](#) **05/2023 – 08/2023**
- Worked in an agile team to update and streamline the waiting list entry into the registration application process using PHP, HTML, JavaScript, SCSS, and MySQL.
 - Gathered information through user interviews to determine how to update the application to meet their needs.
 - Made project plan documents, integrations, pulls, pushes, merges, and tests.

Projects

- Software Engineer** [Fitness App](#) **09/2023 – 12/2023**
- Worked in a team using the Next.js 14 framework to design and develop a personal fitness website that builds and plays workouts and tracks the user's progress.
 - Used PostgreSQL database from Neon.tech and REST endpoints service from Nhost.io.
 - Used Google Cloud platform for authentication.
- Software Engineer** [Travel Trove AI](#) **09/2023 – 12/2023**
- Worked in a team using the Next.js 14 framework to design and develop a flight search booking app that integrates an AI chat feature.
 - Used PostgreSQL database from Neon.tech and REST endpoints service from Nhost.io.
 - Used Credentials with Next AUTH for authentication.
 - Used Amadeus for developers' API for flight offers search.
- Java Developer** [Virtual Shopping Center](#) **04/2022 – 05/2022**
- Used Java to design and develop a back-end application for an online store.
 - Customers are required to log in or create an account before entering the online store.
 - Customers will be able to: edit their cart, edit saved items, checkout with a linked credit card or add a new credit card, view their history of orders, become a premium member, update their account information, and more.

Education

- Bachelor of Science in Computer Science** [Towson University](#) **08/2020 – 05/2024**
- Relevant Courses: Data Structures & Algorithm Analysis | Programming Languages Design & Implementation | Operating Systems | Software Engineering | Database Management | Web-Based Programming | Mobile Development | Object Oriented Design & Programming | Artificial Intelligence