

Mathew Mesfin

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Education

Bachelor of Science in Computer Science **Towson University** **08/2020 – 05/2024**

- **Relevant Course Work:** Linear data structures | Trees | Heaps; Stacks | Queues | Graphs | Searching and sorting algorithms | Paradigms in the design of algorithms | OOP | Recursion | Polymorphism | Memory System organization | Principles of assembly language

Skills

- Java | Python | PHP | HTML | CSS | JavaScript | Git | MySQL | AWS | Backend | Frontend | Full-Stack | Excel | English | American-Sign-Language |

Experience

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.
- Brought in new functionality that kept our several hundred thousand customers choosing CourseStorm over competitors.
- 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

Fitness App **08/2022 – 09/2022**

- Worked in a team using HTML, CSS, and JavaScript to design and develop a fitness website that provides workouts and tracks the user's progress.
 - Users will be able to create, add, delete, and edit a set of workout routines.
 - Users can track different sets of progress by entering the data or having it update automatically through the workout routines.

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.

Vehicle Rental Agency **03/2022 – 04/2022**

- Used Java to develop a backend application that maintains a collection of vehicles.
 - Allowed employees to be able to reserve, process, display, and cancel reservations for customers.
 - Allowed managers to view all transactions, accounts, vehicles, and reservations.

Banking Company **01/2022 – 02/2022**

- Used Java to develop a backend application that handles accounts and transactions.
 - Allows users to be able to deposit, set a recurring deposit, and check their balance.