

Mustafa Soby

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EDUCATION

University of Texas at Austin	2024-2026
<i>M.S. in Computer Science</i>	<i>GPA: 3.7</i>
• Coursework: Deep Learning.	
University of Michigan - Dearborn	2020-2023
<i>B.S. in Computer Science</i>	<i>GPA: 3.97</i>
• Coursework: Data Structures and Algorithms, Artificial Intelligence, Natural Language Processing, Software Engineering, Linear Algebra, Discrete Math, Game Development	

TECHNICAL SKILLS

Languages: Java, Python, PostgreSQL, TypeScript, C#, C++, HTML/CSS

Tools: Azure Cloud, JetBrains Suite, Visual Studio Code, Kubernetes, NPM, Maven

Frameworks: Spring Boot, Angular, Agile, Quarkus, NextJS, React, Firebase, Git, REST

EXPERIENCE

General Motors	June 2023 - Present
<i>Full Stack Software Engineer</i>	<i>Austin, TX</i>
<ul style="list-style-type: none">Implemented and maintained multiple web apps for generating complex reports on various vehicle related data using Spring Boot, Angular and PostgreSQL.Assisted in the migration of databases, blob storage, and backend microservices from on premise PCF servers to an Azure Cloud environment.Led the migration of my team's project into GitHub and Azure DevOps, creating new pipelines and setting up GitHub Advanced Security scans in the process.Determined client needs, collected feedback, and created work items by meeting with the client directly.	
GE Aviation	May 2022 - August 2022
<i>Digital Technology Intern</i>	<i>Cincinnati, OH</i>
<ul style="list-style-type: none">Modularized and migrated Siemens TeamCenter templates from Apache Subversion to GitHub and added them to a Jenkins CI/CD.Produced Conan recipe files to package a C/C++ codebase for distribution across a large organization.Documented the design process of Conan scripts to standardize module packaging for 30+ developers.Reduced build times by 95% through adding a shell script generator to conan recipe files.	
Technical Computer Services	May 2021 - May 2022
<i>Software Engineer Intern (part-time)</i>	<i>Dearborn, MI</i>
<ul style="list-style-type: none">Developed a WinForms app using C# to automate product entry saving the company \$8,000.Utilized WinForms and an MSSQL Server database to coordinate remote desktop access between employees. Achieved by tracking in-use machines through a server over RDP to prevent collisions.	

PROJECTS

KymaNYC - Undergraduate Capstone	September 2023 - May 2023
<ul style="list-style-type: none">Collaborated with a team of five to build a customizable e-commerce website all at zero-cost using NextJS, React, TypeScript, Firebase, and Stripe to process purchases.	
Lead Backend Admin - University of Michigan Dearborn	September 2022 - December 2022
<ul style="list-style-type: none">Served as the lead backend admin for LAMP applications hosted on the university's servers to manage all students' projects for one semester.	