

Mustafa Soby

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SUMMARY

Online masters student in computer science seeking a **full time** software engineering role.

EDUCATION

University of Texas at Austin 2023-2025

M.S. in Computer Science

GPA: 3.7

- Coursework: Deep Learning.

University of Michigan - Dearborn

2020-2023

B.S. in Computer Science

GPA: 3.97

- Coursework: Data Structures and Algorithms, Artificial Intelligence, Natural Language Processing, Software Engineering, Linear Algebra, Discrete Math, Game Development

EXPERIENCE

General Motors

June 2023 - Present

Software Engineer

Austin, TX

- Implemented a web app for generating complex reports on customer surveys using **Angular**, Quarkus, and **SQL**.
- Assisted in the **migration** of databases, storage accounts, and backend services from on premise 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

Digital Technology Intern

Cincinnati, OH

- 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

Software Engineer Intern (part-time)

Dearborn, MI

- Developed a **WinForms** app using **C#** to automate product entry saving the company **\$7,900**.
- 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.

TECHNICAL SKILLS

Languages: TypeScript/Node.js, Python, Java, C#, C++, SQL, HTML/CSS

Tools: Azure Cloud, JetBrains Suite, Visual Studio Code

Frameworks: Angular, SpringBoot, Quarkus, NextJS, React, Firebase, Git, REST APIs, Selenium

PROJECTS

KymaNYC - Undergraduate Capstone

September 2023 - May 2023

- Collaborated with a team of five to build a customizable e-commerce website using **NextJS**, React, TypeScript, Firebase, and **Stripe** to process purchases.
- Successfully met the client's requirement to host and manage the website at **zero cost**.