Isaac Soares

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WORK EXPERIENCE

Software Engineer — C#, Azure, GitLab, Terraform, Python, SQL, React, DOT NET

M&T Bank June 2024 - August 2024

- Utilized **Python scripts** within a **GitLab CI/CD** pipeline to streamline the deployment process of **Azure Functions,** reducing application launch time by **60%**.
- Upgraded a **React** User Interface of a mortgage application, resulting in an **80%** increase in user satisfaction rates.
- Revamped 10-year-old **back-end** code written in **C#** in **DOT NET 4.2 Framework** to be more versatile and connect to **Azure SQL.**

Supplemental Instructor Leader — Excel, Student Leader, Teaching

Rochester Institute of Technology January 2024 - Present

- Conducting two weekly study sessions to enhance student understanding of **Java** and **Python.**
- Providing guidance and clarification to students, addressing questions and concerns during sessions.

EDUCATION

Bachelor of Science in Computer Science and Mathematics — 3.6/4.0 GPA

Rochester Institute of Technology August 2022 - May 2026

- **Relevant coursework:** Data Structures and Algorithms, Computer Networks, Data Management, AI
- **Achievements:** Codeforces Division III Champion, Deans List 2022 — 2024

PROJECTS

ASL Interpreter — TensorFlow, ImageDetection, Python, JavaScript, React December 2024

- Developing an application with machine learning to recognize real-time ASL signs.
- Utilizing **image classification** tools like LabelImg to generate structured data for training a TensorFlow model capable of detecting ASL signs.
- Building a responsive front-end web application optimized for **Android** devices, enabling real-time ASL detection from phone video inputs.

Best Path — PillowLibrary, NumPy, Python November 2024

- Created a GPS that gives the most optimal path to get to different sections in an Orienteering marathon based on the **A*** algorithm.
- Integrated real-life factors into an Agent to give paths based on human limitations.
- Used data structures such as heaps and priority queues to store environmental factors and keep track of the Artificial Model's movement.

Language Classification — Pandas, Python December 2024

- Created AdaBoost and Decision Tree algorithms to classify sentences languages, leveraging the language's verbs as features, and the best resulting trained model.
- Achieved **93.75%** classification accuracy on 416 sentences.

SKILLS

- **Technologies/Frameworks:** Node.js, Docker, SQL, React, Spring Boot, AWS, Terraform, Azure, Git
- **Programming Languages:** C++, C, MATLAB, R Studio, Python, Java, JavaScript, Kotlin, C#, F#

CERTIFICATES

Scrum Alliance: Certified Scrum Product Owner in Software Engineering and Software Developing

Microsoft Certified: Azure Fundamentals in Cloud Engineer, Cloud Architect, and DevOps