Rebecca Soza

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Skills:

Languages/Framework: Python, C/C++, Assembly, Bash, Typescript, SQL, AWS, Docker, Firebase

Tools: GitHub, Confluence, GCC, CCS, STM32Cube IDE

Microcontroller Platforms: STM32, MSP430

Education:

Wichita State University | January 2021 - December 2023

- B.S in Computer Science, Minor in Mathematics
- Magna Cum Laude (GPA 3.710)

Work Experience:

Software Engineer | Flint Hills Resources Koch Industries | May 2023 – November 2023

- Implemented data integration for permits to be available offline, contributed to internal libraries, and refactored repositories through full stack development in Typescript and Python.
- Created a retrain pipeline for a machine learning model that can redirect the prediction of anomalies in high valued accounts using libraries such as Pandas (DataFrame), NumPy, and Seaborn.
- Built APIs with Lambdas and API Gateways for specific data pipelines through AWS.
- Collaborated with a team consisting of a Product Owner, Product Analyst, and two Software Engineers using Azure DevOps for streamlined task management and creation.

QA Student Contractor | NetApp | November 2021 – February 2023

- Ran scripts to challenge the competency of different transport protocols such as iSCS, SAS, NVME, and Fibre Channel in relation to the latest CFW.
- Provided feedback to engineers to enhance automation processes after completing execution tasks that can potentially fix issues or enhance performance.
- Contributed to developing an internal website for automated tasks using React, Docker, and Django by clearing bugs, refactoring for asset protection, or linking API calls to buttons.
- Configured various arrays, switches, and servers through respective IPv4 using standard set up with YAML files to have components properly communicate with each other.

Petty Officer Third Class | United States Coast Guard | February 2017 - March 2021

- Performed administrative work by operating an internal software system to process pay and employee status such as marks, disciplinary actions, deployment papers, and retirements as a Yeoman.
- Completed Apprentice Leadership Program being able to identify stress factors, influence others, and support an environment of respect as a supervisor.
- Achieved the Watchstander and Boat Crewmember qualifications to conduct SAR missions, patrols, towing, and manage the radio watch tower for communications.

Personal Development:

Embedded Systems Bare-Metal Programming Ground Up™ (STM32) | Present

- Udemy course exposer to reference manual, datasheet, and user guide of NUCLEO-STM32F411 by setting up available peripherals.

Embedded Software Engineer 101 | Present

- Online course developed by Christopher Svec describing the ins and outs of microcontrollers through a MSP430.