Rebecca Soza

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Skills:

Languages/IDE: Python, JavaScript, Typescript, C++, Bash, SQL, AWS, Docker, Firebase, Linux, Vim, VS Code

Agile Frameworks: Scrums, Kanban boards, Sprint Retrospective Events

CI/CD Tools: GitHub, Bitbucket, Confluence, Azure, Jira

Personal: Highly motivated, open to learning new skills, dependable, time efficient

Education:

Wichita State University | January 2021 - December 2023

- B.S in Computer Science, Minor in Mathematics
- Magna Cum Laude (GPA 3.6)

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 competence of different transport protocols such as iSCS, SAS, NVME, and Fibre Channel in relation to a specific CFW.
- Performed stress and functional tests on arrays and hosts to determine their capabilities under certain tasks.
- Used Bitbucket, Kanban Boards, JIRA, and open-source documentation to complete tasks.
- Contributed to developing an internal website using React, Docker, and Django.
- Set up and cable configurations of various arrays, switches, and servers.
- Set up various servers OS of type Linux (SLES/Redhat) and Windows.

Yeoman 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.
- Completed Apprentice Leadership Program being able to identify stress factors, influence others, and support an environment of respect as a supervisor.

Research:

Co-Author | Wichita State University | August 2023 – December 2023

- Co-developed a literature review exploring a Convolutional Neural Network that identifies different species in an audio clip that will be presented in the GreenTech2024 conference as "Avian Song Identification Using CNN".
- Explored a dataset of ten thousand samples extracted from Xeno-Canto's API audio clips that were converted to spectrograms every five seconds through BeoShock HPC.
- Replicated two CNN models to identify a species in each soundscape which resulted in a similar AUC of 86% making our findings valid.