Jacob Furtaw

My Github | My Gitlab | LinkedIn | My Website

jfurtaw97@gmail.com | 410-533-7663 | Marriottsville, MD

Work Experience

SurgePoint Software
Machine Learning Engineer
Remote
August 2023 - Current

At SurgePoint, I serve as a Machine Learning Engineer, spearheading the development of a cutting-edge AI Assistant that leverages the power of **Retrieval-Augmented Generation**. My role involves curating and integrating web-scraped data from university websites into the state-of-the-art **Llama 2** model, enabling the AI Assistant to provide students with the most relevant information about their campus.

Geek Squad
Advanced Repair Agent
On-Site
March 2022 - Current

As the **top-performing** repair agent in the marketplace, I excel in resolving complex software and hardware issues across a diverse range of devices and operating systems. Recognized for my commitment to process optimization, I developed and implemented a strategic initiative that significantly enhanced operational efficiency within our precinct. My exceptional performance, being a self-starter, and ability to innovate earned me a letter of recommendation from the Marketplace Director.

Skills

Programming Languages: Python(PyTorch, TensorFlow, **Langchain**, Scikit-Learn, **Pandas**, Numpy, **HuggingFace**, Transformers, Regex, BeautifulSoup, Textwrap, PIP, Chroma), Javascript, React, CSS, HTML, C++

Operating Systems: Windows, Linux(Ubuntu Server and Desktop Version), MacOS

Software: **Conda**, WSL, Jupyter, VS Code, PyCharm, **Nvidia AI Workbench**, MongoDB, **Docker**, GhatGPT

Personal Skills: Problem Solver, Team-player, Self-starter, Innovator, Outgoing, Forward Thinker

Education

Towson University
Graduated: 2023

Bachelor of Science, Computer Science: Software Engineering

Howard CC
Graduated: 2021

Associate of Science, Computer Science

Awards

Scholarships and Grants: 2+2 Transfer Award, Federal Pell Grant, Institutional Grant, TU Differential Grant

Towson University Startup: Won 1,000$ at a Startup Pitch Competition

Project URL's

AI Assistant (Chatbot)

Automatic Equivalent Mutant Identification using Machine Learning

Oceans