**J****oe Mendez-Hughes**

[Website](https://saving-the-world-from-ai.github.io/) | [LinkedIn](https://www.linkedin.com/in/joe-mendez-hughes/) | [joemendezhughes@gmail.com](mailto:joemendezhughes@gmail.com) | 1-480-220-8939 | Phoenix, AZ | U.S. Citizen

**SUMMARY**

Real-world experienced AI engineer who has built real AI/ML models and applications in production environments.

**SKILLS**

Python | Pandas | NumPy | scikit learn | PyTorch | Natural Language Processing (NLP) | Large Language Models (LLMs) | Generative AI | RAGs | GANs | APIs | Git | AWS/GCP | Hugging Face | Langchain

**PROFESSIONAL EXPERIENCE**

**SENIOR AI ENGINEER**

*Dynamo Technologies, Washington, DC*

September 2023 - May 2024

* Designed and implemented AI reporting systems, employing trend analysis and machine learning, reducing operational costs significantly.
* Crafted advanced predictive analytics models, using machine learning to forecast trends and providing agencies with the ability to mobilize accordingly and distribute personnel accurately.
* Engineered advanced AI tools that analyzed vast, complex datasets, delivering critical health and support metrics for children and adults across county, state, and national levels.
* Led the charge in refining AI reporting accuracy through iterative machine learning models, turning raw data into streamlined, actionable insights.
* Architected AI-driven analytics into the business intelligence platform, driving a 35% increase in data-driven decision-making and reducing manual reporting by 50%.

**MACHINE LEARNING ENGINEER**

*Deep Cloud IQ*, *New York, NY*

July 2021 – September 2023

* Engineered a robust sentiment analysis tracker, empowering administrators to detect early signs of disengagement or distress, allowing for timely interventions.
* Spearheaded the creation of a dynamic ML pipeline. Utilizing performance data, this tool identified areas of struggle and offered targeted strategies to elevate students to their full potential.
* Worked with Google engineers and Google provided data sets, crafting a cutting-edge NLP pipeline.
* Created a suite of software that included chat applications, analytical tools, and administrative tools tuned with machine learning that offered an all-encompassing view of student health and behavior.
* Optimized data processing, storage, and retrieval, reducing latency and providing real-time insights.

**SOFTWARE ENGINEER**

*Millennial Shift Technologies*, *Phoenix, AZ*

October 2020 – June 2021

* Delivered complex integrations by developing and deploying SOAP and REST APIs.

**JR SOFTWARE ENGINEER**

*Aristocrat - Independent Contractor*, *Las Vegas, NV*

February 2018 – May 2020

* Assisted in the development and maintenance of back-end services for applications.

**EDUCATION**

*College of Southern Nevada*

Studied: Computer Science