Natalie M. Olivo

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A life-long learner experienced in wearing many hats with respect to delivering high impact, delightful products including data ingestion, architecture, strategy, and cross-functional collaboration.

Relevant Professional Experience

Principal Data Scientist AKKODIS   Apr 2023 - Present
Data Science Lead in Custom and Border Patrol's Land Entry Initiatives. Public Trust.
- Expanding computer vision capabilities with cross-functional leadership and groundbreaking prototypes.
- A guide and mentor to all in the implementation of data science research and production.

Machine Learning Engineer INTEROS   Oct 2019 - Oct 2022
Member of a team responsible for breaking down complex tasks around relationship discovery, extraction and deduplication into micro-services to support the creation of a global relationship graph.
- Lead developer of a document-based relationship extraction process with a multi-faceted pipeline which supports the creation and re-training of NLP models, and archival features. [HuggingFace, FastAPI]
- Creator of a framework responsible for web-based relationship discovery which detected and ingested 650k B2B relationships from the internet to a proprietary knowledge graph over three months.
- Developed a unit testing framework for functionality heavily reliant on external services. [Docker, Pytest]
- Established and leads a monthly reading group on the latest academic work in the field of machine learning.

Machine Learning Engineer SOKAT CONSULTING   Nov 2018 - Sept 2019
Member of a five-person team tasked to enable data-driven decision making functionality in Grantsolutions.gov
- Produced a two-time government innovation award winning risk analysis tool to help safeguard Federal Grant Investments by bringing together critical data from more than seven publicly available sources.
- Created a data ingestion pipeline for 700,000+ online IRS forms, performing data extraction and transformation.
- Expedited due diligence processes by flagging insolvency-prone grant-eligible entities with tree-based classification.

Senior Vendor/Industrial Base Analyst PANTHEON INTEGRATED SOLUTIONS   Apr 2018 - Nov 2018
Procurement and financial analysis, Department of Navy's VIRGINIA Class Program Office. Top Secret.
- Used Python programming language to introduce efficiency and improve rate forecasting capabilities, reducing the time to evaluate historical labor rates at the various shipyards by a factor of ten.

Relevant Education & Certifications

AMAZON WEB SERVICES
Certified Cloud Practitioner - Feb 2023, Certified Solutions Architect - Professional - Aug 2023

GENERAL ASSEMBLY DATA SCIENCE IMMERSIVE BOOTCAMP   Oct 2017 - Dec 2017
A project-based training program that focuses on statistics, data analysis, visualization, and machine learning.
- EDA, visualization, hypothesis testing, unsupervised, supervised, and deep learning [Python, SQL, Tableau]
- Won a blogging competition by conducting research on the Effectiveness of Humanitarian Aid. Used a boosted tree-based model with feature importance plots and partial dependency plots for interpretation.

BALL STATE UNIVERSITY, Muncie, IN   May 2013
Bachelor of Science in Actuarial Science with Honors, Minor in Foundations of Business. GPA 3.6/4.0.

Relevant Volunteering

WOMEN WHO CODE, Cleveland, OH   July 2022 - Present
Serving as Director and Technical Speaker, I am recharging the Cleveland network to provide access and awareness of the largest organization in the world dedicated to the success of women in technology careers.