

# 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.

- Interpret complex time series patterns for enhanced alerting and fault management capabilities. [Splunk]
- Research and design techniques for rapid prototyping to support production of computer vision initiatives.

*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.