

Frankie Cancino III

Senior Engineer & Data Scientist

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Education

University of Minnesota - Twin Cities
Master of Science (M.S.) in Business Analytics
Expected Graduation: 2020

University of Missouri-Columbia
Major: Bachelor of Science (B.S.) in Information Technology
Minors: Business & Computer Science
Graduated: Spring 2017

Experience

Team: Platform Analytics – Senior Engineer & Data Scientist

Company: Target (February 2018 – Present) Minneapolis, MN

- Combined the matrix profile with deep learning methods to produce an intelligent anomaly detection system
- Optimized Keras deep learning models & architectures for NVIDIA Tesla GPU training
- Conducted time-series experiments with various machine learning methods such as a Seasonal ARIMA, an LSTM network, & Stacking implementation to forecast thousands of metrics
- Created sample NLP applications using Logistic Regression, TF-IDF vectorization, & GPT-2 models
- Developed a streamlined machine learning platform for training and inference

Team: Data Sciences - Data Engineer

Company: Target (July 2017 – February 2018) Minneapolis, MN

- Researched, packaged, & deployed deep learning frameworks across 1,000+ nodes
- Installed Slurm Workload Manager for deep learning training across a multi-node NVIDIA GPU cluster

Skills

Subjects: Machine Learning, Deep Learning, Predictive Analytics, Big Data, Exploratory Analysis, CI/CD, & Time Series Analysis

Languages: Python, R, SQL, C, HTML & CSS

Libraries & Frameworks: Keras, Flask, Pandas, Jupyter, Tensorflow, Numpy, PySpark, Hadoop, Git, Drone, dplyr, ggplot, Docker, matrixprofile-ts, MySQL, & Hive

Events & Projects

- Data Science Education - Provided educational content related to data science topics to employees throughout Target (lectures, talks, code examples, videos)
- Open-sourced matrixprofile-ts via PyPi (github.com/target/matrixprofile-ts)
- Data Science Minneapolis - Founded a popular Meetup group in Minneapolis geared towards data science working on artificial intelligence, machine learning, deep learning, natural language processing, computer vision, & much more.
- Presented at the Re-Work Deep Learning Summit Montreal & Applied AI Summit San Francisco