
TERRENCE EDMONDS

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Education

Purdue University, West Lafayette, IN — MSc Physics, 2020

- Emphasis on **computational methods** and **machine learning**

- GPA: 3.7

University of Florida, Gainesville, FL — BS Physics, 2015

Experience

Teaching Assistant, Purdue Physics; West Lafayette, IN — 2016-Present

- Communicated methods of **problem solving** to students with an emphasis on breaking down complex problems into simpler parts

Research Assistant, Purdue Physics; West Lafayette, IN — 2016-2019

- Used **C++** and **ROOT** libraries to transform large complex data sets into smaller datasets for faster analysis time and smaller data storage
- Used **regression** and **statistical** analysis techniques to extract, fit, and transform raw data
- Developed **bash** scripts to automate time consuming and repetitious tasks
- Used **large computer clusters** to perform parallel analysis and analyze **TB data**
- Created and presented **visuals** of analysis and explained techniques used for analysis

Ongoing Projects

Face Identification

- Built model to identify faces with 85% accuracy using Resnet

Stock Prediction from News

- Built web scrapers to collect news data from various websites

Tweets indicating disaster

- Achieved 79% accuracy for predicting if tweets are indicative of disaster

Skills

C++, C, Python, Bash, Matlab, Big Data Analysis, Mathematical and Statistical Modeling, Sklearn, Tensorflow, Machine Learning, Data Mining, SQL
