

# Louis Donofrio

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Analyst with a background in finance and skills in SQL, Python, AWS, Blockchain and Solidity from Penn's FinTech Bootcamp. A lifelong learner with a passion for data analytics and technology. A team-oriented individual who provides outside the box thinking, creativity and a drive for problem solving.

## SKILLS

Machine Learning, Time Series Analysis, Python, Pandas, Numpy, Smart Contracts, Anaconda, SQL, Solidity, Financial Modeling, Algorithmic Trading, Blockchain, Ethereum, AWS

## PROJECTS

**Crypto Analysis** | <https://github.com/lvdonofrio14/Crypto-Analysis>

**Data Analysis**

- Pull in crypto currency data sets using Kaggle and APIs
- Slice and dice data and interpret findings
- Language: Python | Libraries: Matplotlib, Pandas, Numpy, Plotly, Seaborn

**Inflation & Machine Learning** | <https://github.com/lvdonofrio14/Inflation-ML>

**Machine Learning**

- Attempt to find what investments would be most resilient to inflation using machine learning
- Language: Python | Libraries: LinearRegression, LSTM, ARIMA, KMeans, Vader, Alpaca

**Risky Business** | <https://github.com/lvdonofrio14/Unit-11-Risky-Business>

**Machine Learning**

- Built and evaluated several machine learning models to predict credit risk from csv data
- Language: Python | Tools: StandardScaler, RandomForest, Classification, TrainTestSplit

## WORK EXPERIENCE

### Vanguard

Nov 2018 - July 2020

*Randstad Financial Processor*

Malvern, PA

- Performed various financial transactions including asset transfers, rollovers, check requests, fund exchanges and communicating with clients
- Spearheaded problem-solving meetings to find solutions and increase office efficiency among my team
- Devised and implemented a database within the contractor space to monitor reoccurring issues
- Tasked with handling specialized workload functions due to my efficiency and accuracy
- Trained other colleagues on specialized functions and baseloads

### Independent Sports Analyst Group

Aug 2016 - Jul 2018

*Data Analyst Contractor*

Remote

- Worked with team to create a sophisticated sports algorithm to outperform the sports betting market
- Input data in a fast-paced high stakes environment
- Analyzed large data sets of to find optimal solutions and gain an edge on the competition

## **University of Pennsylvania**

May 2017- Aug 2017

*Financial Intern*

Philadelphia, PA

- Aligned with the Senior Director of Finance and Facility Management
- Projected beginning budgets for departments for the next fiscal year and entered into Microsoft Access
- Corrected tuition forecasting models in Excel to fix problems with formulas and increase the accuracy of the forecast
- Worked extensively with Microsoft Excel Pivot Tables and QlikView to analyze data
- Implemented a new database to keep track of all the moves and furniture within facility management

## **EDUCATION**

**University of Pennsylvania**, Philadelphia, PA

July 2020

Certificate, Fintech

**Pennsylvania State University**, State College, PA

May 2018

Bachelor of Science - Finance