

James Cadigan

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EDUCATION

Bucknell University, College of Arts and Sciences, Lewisburg, PA

Bachelor of Arts in Economics

May 2020

- Relevant course work: Accounting, Accounting II, Calculus I-III, Financial Economics
- Semester Abroad: Fall 2019 in Barcelona, Spain
- Dean's List Fall 2018, Spring 2020

Milton Academy, Milton, MA

May 2016

WORK EXPERIENCE

UBS, Wealth Management Intern, Boston, MA,

May-August 2019

- Researched the performance of bond managers and made recommendations based on relevant metrics.
- Summarized the payouts of varied structured products and made recommendations on the outlook of different markets.
- Generated portfolio reports from Aladdin and Morningstar.
- Organized securities of potential clients in order to create an overview of the assets.
- Created presentations for current and prospective clients, especially for retirees.
- Summarized news columns and articles detailing strategies pertaining to investing, retirement saving, etc.

Certifications

Rutgers Data Science Bootcamp, Rutgers University

June-November 2020

- Analyzed data utilizing applications via Python: Jupyter Notebook, Flask, and SQLAlchemy.
- Sorted data utilizing: SQL, MongoDB, Tableau, and R.
- Created new and interactive infographics using Jupyter Notebook, Leaflet, Plotly, D3, and Matplotlib.
- Proficient in topics such as webscraping, Big Data, and Machine Learning.
- Developed research skills in both finding and cleaning data.
- Created algorithms and predictive models using Machine Learning.

PROJECTS

Renewable Energy Visualizations

- Created a Flask application that navigated through different html files.
- Created a web-scraping function through Flask to find recent articles and links.
- Designed Heatmap, choropleth and location marker graphs through Leaflet.
- Utilized JavaScript to design Sunburst visualization from Plotly library.
- Launched app through Amazon web services.

Stock Predictor

- Created a Flask application that navigated through different html files.
- Created a deep learning model that predicted stock closing prices based on opening prices.
- Created a deep learning model that predicted future stock closing prices based on previous closing prices.
- Utilized JavaScript to visualization from Plotly library.
- Launched app through Heroku.

Adventis' Financial Modeling Certification (FMC™) Program, Brown University

March 2018

- Built a three-statement financial model of a real company from "scratch" with circular schedules for working capital, capital expenditures, interest, and debt.

TECHNICAL SKILLS

Languages: Python, R, JavaScript, HTML/CSS, pgSQL

Applications: Github, MongoDB, PostgreSQL, Flask, Command Line, Tableau

Tools: Excel, Scikit Learn, Tensorflow, Pandas, Jupyter Notebook, D3, Plotly, Beautiful Soup, Chromedriver

Microsoft Excel: Advanced methods in statistical modeling, prediction, pivot tables, and VBA scripting.