

## James Cadigan

617-947-6806 • jamescadigan22@gmail.com • Milton, MA 02186

<https://github.com/jamescadigan97> • <https://www.linkedin.com/in/jamescadigan>

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### SUMMARY

Data analyst with a background in economics and accounting. Earned a certificate from Rutgers Data Science Bootcamp and a Bachelors of Arts in Economics from Bucknell University. Enthusiastic about using relational databases to manage financial data and then other programs to find insights within them. A proactive member of any team who values collaboration across diverse groups.

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### EDUCATION

#### Rutgers University Data Science Bootcamp

June-November 2020

- 24-week intensive program covering data analysis in Python, relational databases such as PostgreSQL and MongoDB, visualizations in JavaScript and Tableau, and other topics such as web development, web-scraping and machine learning.

**Bucknell University**, College of Arts and Sciences, Lewisburg, PA  
*Bachelor of Arts in Economics*

May 2020

- Relevant course work: Accounting I-II, Calculus I-III, Financial Economics
- Semester Abroad: Fall 2019 in Barcelona, Spain

**Milton Academy**, Milton, MA

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### TECHNICAL SKILLS

**Languages:** Python, R, JavaScript, HTML/CSS, PostgreSQL

**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.

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### PROJECTS

#### Renewable Energy Visualizations | [https://github.com/jamescadigan97/Project2\\_Renewables.git](https://github.com/jamescadigan97/Project2_Renewables.git)

- 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 | [https://github.com/jamescadigan97/stock\\_predictions.git](https://github.com/jamescadigan97/stock_predictions.git)

- 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.

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### 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.

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**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.