

# JEREMY BRENT

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## SUMMARY

Data scientist with an entrepreneurial mindset and a passion for building data-driven narratives that distill complex information into clear, compelling, and actionable insights. A continuous learner with the ability to convey complex technical summaries to non-technical audiences. Capable of working independently and collaborating with diverse teams in complex and uncertain environments. Committed to ethical, socially conscious work and looking for a Data Scientist position.

## TECHNICAL SKILLS, TOOLS and LIBRARIES

Python • SQL • NLP • SQLAlchemy • pgAdmin4 and PostgreSQL • Flask • NumPy • Pandas • Matplotlib • Seaborn • SciPy • TensorFlow Keras • MongoDB • Git and GitHub • Jupyter Notebooks • R • Google APIs • HTML • Spark • CSS • Bootstrap • SPSS • Beautiful Soup Splinter • Microsoft Office • VBA Scripting • JavaScript • D3.js • Plotly.js • Leaflet.js • SKLearn • Tableau • PySpark • Hadoop • AWS Google Cloud Platform • BigQuery

## EDUCATION

**Rutgers University** (New Brunswick, NJ)

February 2020 – August 2020

Data Science Bootcamp

**Summary:** A 24-week intensive program focused on technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.

**Clark University** (Worcester, MA)

September 2015 - May 2019

Bachelor of Arts in Biology & Psychology

**Honors:** Earned distinction through four Dean's List recognitions in the last four semesters of my college career.

## PROFESSIONAL WORK EXPERIENCE

**Axiomatic Data** (New York City)

July 2020 – Present

**Data Science and Machine Learning Intern**

- Axiomatic Data is a Fintech startup located in New York City.
- Currently working on a Supervised Machine Learning project using Python, Sklearn, TensorFlow, and Jupyter Notebooks to predict revenue for private companies based on data aggregated from the Department of Labor and the Internal Revenue Service that will allow investors and venture capitalists to better understand the businesses they are investing in.

## PROJECTS

**Full Stack Application of U.S. Energy Power Plants** ([Website](#))

Spring 2020

- Created a full stack application with a team of four engineers that provides the user an interactive dashboard to visualize different statistics and metrics about United States energy generation. The front end, coded in Javascript, D3.js and Leaflet.JS, connects to a remote PostgreSQL database on Heroku through a Python Flask server that contains Restful APIs to query data. Descriptive statistics and interactive maps provide interesting insights into the current state of United States energy generation.

**Audiobook Customer Classification with NNs** ([Github Repo](#))

Spring 2020

- Conducted Neural Network Classification on dataset of Audiobook customers to predict future purchases. Data was preprocessed using NumPy, SciKit-Learn, and Pandas to shuffle the dataset, balance the priors, standardize the inputs, and split the set into a training, test and validation set. Used Keras library on top of TensorFlow in a Jupyter Notebook. The ML NN contained 4 hidden layers with ReLu activation functions and an output layer with a Softmax Activation Function typically used in deep learning classification tasks.

## PROFESSIONAL LEADERSHIP EXPERIENCE

**Fund for the Public Interest** (New Brunswick, NJ)

May 2019 - January 2020

**Canvass Director**

- Raised \$53,385 in grassroots funded contributions through 135 days of door to door canvassing.
- Built a culture of innovative, goal-driven, paradigm-shifting behavior, which led our office to hit and exceed our KPIs (generating new members, raising contributions, getting petition signatures) to lobby our elected officials for environmental and public interest legislation.
- Managed a team of two directors and 10-30 canvassers. Oversaw recruitment, administration, and campaigning.
- Hired and trained a team of canvassers and tasked with leadership training for new directors.
- Organized membership building campaigns for Environment New Jersey and New Jersey Public Interest Research Group by overseeing and executing the daily operations.

## ACADEMIC WORK / EXTRACURRICULARS

**Peer Learning Advisor (PLA) for qualitative methods in psychology** (Clark University)

Fall 2018

- Guided 5 freshman and sophomores through their class experience. Taught and demonstrated the importance of being comfortable being uncomfortable, dealing with complexity/uncertainty, and thinking outside of the box in an academic environment.

**Research Assistant and poster Presentation for Dr. Andrew L. Stewart** (Clark University)

Fall 2018

- Analyzed current research on Youth Participatory Action Research protocols to create a methodology that was used in the CDC's "Connecticut Rape Prevention and Education Program Evaluation."
- Conducted and presented qualitative research on the analysis of Twitter Data containing "#MarchForOurLives."

**Pitcher for Clark University Baseball Team** (Clark University)

Fall 2015 - Fall 2017

- Developed an understanding of the importance of being a team player, controlling the controllable, and executing under pressure.