BRANDON ROPELL

Rocky Point, NY
Phone: *(631)335-6109* | Email: *brandon.ropell@gmail.com*
LinkedIn: www.linkedin.com/in/brandon-ropell
GitHub: https://github.com/Bropell

Summary

Motivated individual that displays critical thinking and has exemplary problem-solving skills whether working independently or as part of a team. Efficiently handles workload by breaking down complex problems into smaller parts and streamlining each aspect of the process. Easily builds partnerships and positive relationships with others and knows how to leverage their strengths such that forward progress can be made by all parties. Maintains a high level of organization in all areas of the workplace.

Technical Skills

Software Languages: *Python, JavaScript, R, HTML, CSS, SQL, VBA*
Tools: *Github, Jupyter Notebook, VS Code, RStudio, Tableau, Microsoft Office, Google Apps*

Projects

Mapping Earthquakes | https://github.com/Bropell/Mapping_Earthquakes
- *Generates an interactive layer map that shows the differences between the magnitudes of earthquakes all over the world using GeoJSON earthquake data from the USGS website*
- *Core responsibilities were to generate several tile layers as well as layers to toggle to see different map data using a Mapbox API.*
- *JavaScript, HTML, CSS, GeoJSON data, Mapbox API*

Amazon Vine Analysis | https://github.com/Bropell/Amazon_Vine_Analysis
- *Performed the Extract Transform Load (ETL) process on a dataset using Pyspark and connecting to an Amazon Web Services (AWS) Relational Database Service (RDS) instance. The transformed data was loaded into pgAdmin*
- *Core responsibilities were to determine if there was any bias towards favorable reviews from Amazon Vine members versus non-members*
- *Python, Pyspark, pgAdmin, AWS RDS*

Bikesharing | https://github.com/Bropell/Bikesharing
- *Exploring and visualizing Citibike data with Tableau*
- *Core responsibilities included convincing potential investors in Iowa to set up a similar Bikesharing program to that of NYC. A Tableau story was created from the findings*
- *Tableau, Python, Jupyter Notebook*

MechaCar Statistical Analysis | https://github.com/Bropell/MechaCar_Statistical_Analysis

- *Perform different statistical analyses on MechaCar data using the R programming language*
- *Core responsibilities included performing multiple linear regression, t-tests and generating visualizations for the summary statistics.*
- *R, RStudio*

Experience

Analyst   **2018 – Present**
Long Island Analytical Laboratories Inc   Holbrook, NY
Analyze environmental samples for volatile compounds via GCMS (Gas Chromatography Mass Spectrometry). By working efficiently and utilizing critical thinking, the department can produce high throughput, data integrity and organization with only one person overseeing the daily operations.
Key Accomplishments:
- *Consistently pass NYS Proficiencies*
- *Department Head*

Bartender   **2018 – Present**
Po' Boy Brewery   Port Jefferson Station, New York
Provide excellent customer service in a fast-paced environment both individually and as part of a team. Exemplary social skills and product knowledge is required to interact with patrons of varying demographics to ensure the highest customer satisfaction.

Archivist Aid   **2017- 2018**
School of Medicine   Stony Brook, New York
Coordinated with doctors and prepared organ specimens for medical school classes. Maintained an organized catalog of all samples.

Research Assistant   **2017- 2018**
F. Avraham Dilmanian   Stony Brook, New York
Performed minor surgeries and blood perfusions on animal models after exposure to orthovoltage x-ray minibeams. Manuscript writing including grant proposals.

Education

Boot Camp Certificate: Columbia Engineering, New York, New York
A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.

M.S. Biomedical Engineering: Stony Brook University, Stony Brook, NY

B.E. Biomedical Engineering: Stony Brook University, Stony Brook, NY

High School Diploma: Riverhead High School, Riverhead, NY