Emily Reynolds

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Summary

I am an aspiring data analyst with a B.S. in Economics and minor in Mathematics who is eager to use data to research, analyze, and solve problems. I recently completed an intensive 24 week Data Analytics Boot Camp from George Washington University to develop my coding and data visualization skills. My experiences working in the non-profit industry and academia allow me to bring a diverse skill set as a strong communicator and researcher with an eye for process improvement. I am intellectually hungry, solutions-oriented, and eager to use technical and soft skills in a quantitative data analyst role.

Technical Skills

Tools: Excel, Mathematics, Office Suite, Salesforce user, Google Apps, Python, JavaScript, HTML, CSS, Tableau, APIs, Leaflet.js, Pandas, Matplotlib, Heroku apps, Scikit-learn, D3.js, SQL, BeautifulSoup, Splinter
Skills: Data visualization, data cleaning, data analysis, ETL, process improvement, research, machine learning, web scraping, higher education, academia, economics, mathematics

Projects

Housing Affordability in High Tech Cities - www.github.com/Nishadows/housingmarket
My contribution: https://housingmarket.herokuapp.com/tech_education_model

- Is there a relationship between the prevalence of an area's tech sector and its housing market?
- My contribution was a machine learning model that estimated housing affordability based on technology sector prevalence using data from ~1,400 counties across the US.
- Python, Scikit-learn, Matplotlib, Pandas, Tableau, HTML

Weather vs Latitude - github.com/emreynolds9/Weather-vs-Latitude - emilyreynolds.me/Weather-vs-Latitude

- The purpose of this project was to analyze and visualize the relationship between weather and latitude.
- I queried data from the OpenWeatherMap API to assemble a dataset of over 500 cities.
- Python, Pandas, API, Matplotlib, HTML, CSS

Mapping Earthquakes - github.com/emreynolds9/Earthquake-Map - emilyreynolds.me/Earthquake-Map

- This visualization utilizes the United States Geographical Survey API to map global earthquakes in the last seven days. I used JavaScript and Leaflet to create an interactive map that changes in real time.
- JavaScript, Leaflet, HTML, CSS, API

Experience

Funding Programs Specialist 2017 – Present
Institute for Humane Studies / Arlington, VA
My role involves administering grants and fellowships with a combined budget of $1,600,00. I have primarily been responsible for working cross-functionally to implement and maintain internal processes, and have also reviewed hundreds of applications and been responsible for communication with external awardees.
Key Accomplishments:

- Led a successful process-improvement project that has allowed my team the capacity to handle nearly double the amount of grants we were previously funding without needing to hire additional staff.

Education

George Washington University / Data Analytics Boot Camp / Arlington, VA March – August 2019
Completed 24-week, in-person, and primarily project-based class focused on data cleaning, analytics, and visualization.

Florida Gulf Coast University / B.S. Economics / Fort Myers, FL
Minor in Mathematics - Major GPA: 3.74 - Honors Program