

Emily Reynolds

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Portfolio: emilyreynolds.me - github.com/emreynolds9

Summary

Data Analyst with a B.S. in Economics and minor in Mathematics able to use data to research, analyze, and solve problems. Graduate of an intensive 24-week Data Analytics Boot Camp from George Washington University focused on coding and data visualization. Proven experience working in financial consulting/tech industry, and non-profit sphere. Diverse skill set as a strong communicator and researcher with an eye for process improvement. Eager to use technical and soft skills in a data analyst or development role.

Technical Skills

Tools: Excel, 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, Mathematics.
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 - github.com/Nishadows/housingmarket

My contribution: 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: a machine learning model to estimate housing affordability based on technology sector prevalence using data from ~1,400 counties across the US.
- Tools: Python, Scikit-learn, Matplotlib, Pandas, Tableau, HTML

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

- Analysis and visualization of the relationship between weather and latitude.
- Queried data from the OpenWeatherMap API to assemble a dataset of over 500 cities.
- Tools: Python, Pandas, API, Matplotlib, HTML, CSS

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

- A visualization which utilizes the United States Geological Survey API to map global earthquakes in the last seven days. This interactive map changes in real time.
- Tools: JavaScript, Leaflet, HTML, CSS, API

Experience

Associate Analyst

Jan 2020 - Present

RiskSpan / Arlington, VA

My role involves validation and testing for models and data services related to loans and securities allowances. This includes data cleaning using Python, reviewing model development code, and working with the development team to validate and improve our platform.

Key Accomplishments:

- Assisted in the implementation, testing, and maintenance of Commercial Real Estate and Commercial and Industrial loans allowance models in our software platform.

Funding Programs Specialist

July 2017 - Jan 2020

Institute for Humane Studies / Arlington, VA

Non-profit administration reviewing applications and improving processes for grants and fellowships.

Education

George Washington University / Data Analytics Boot Camp / Arlington, VA

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 - Honors Program