

# Emily Reynolds

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**Portfolio:** emilyreynolds.me - github.com/emreynolds9

Data Analyst with a B.S. in Economics. George Washington University Data Analytics Boot Camp graduate. Strong communicator with a diverse skill set working with data, processes, software, and people.

## Technical Skills

**Tools:** Python, Pandas, Excel, Office Suite, Google Apps, JavaScript, HTML, CSS, Tableau, APIs, Leaflet.js, Matplotlib, Heroku apps, Scikit-learn, D3.js, SQL, BeautifulSoup, Splinter, Salesforce user, Domo

**Skills:** Data visualization, cleaning, data analysis, ETL, process improvement, research, machine learning, web scraping, economics, finance, mathematics

## Projects

**Housing Affordability in High Tech Cities** - github.com/Nishadows/housingmarket

- My contribution: a machine learning model to estimate housing affordability based on technology sector prevalence using data from ~1,400 counties across the US, see: [housingmarket.herokuapp.com/tech\\_education\\_model](https://housingmarket.herokuapp.com/tech_education_model)
- Tools: Python, Pandas, Scikit-learn, Matplotlib, Tableau, HTML

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

- Visualization which utilizes the United States Geographical 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

**Senior Data Analyst**

April 2022 - Present

**FCP** / Chevy Chase, MD

Cross-functional data warehousing and analytics for FCP's fundraising, investor reporting, accounting and capital market teams. This includes data cleaning, automating processes and reports, and maintaining data integrity.

*Key Accomplishment:* Cleaning and re-design of primary tables for data warehouse migration from PostgreSQL to Azure SQL DB.

**Associate Analyst**

Jan 2020 - December 2021

**Analyst**

December 2021 - Present

**RiskSpan** / Arlington, VA

Validation and testing for financial models and data services for loans and securities credit loss accounting. This includes data cleaning using Python, deploying and reviewing financial modeling scripts, and working with the development team to validate and improve our web-based platform.

*Key Accomplishments:*

- Securities Allowance: implemented a new product to calculate expected credit losses; assisted in writing code, developing and testing processes, and executing the product quarterly.
- Loans Allowance: Implementation, testing, and maintenance of Commercial Real Estate and Commercial and Industrial loan models in online software.
- Regression Testing: developed helper scripts for month-over-month quality testing of datasets

## 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