**KELLY SLATERY**

kelly.slatery@gmail.com | (703) 402-0144 | kellyslatery.github.io

**Data Scientist**

Data is the basis for the stories that drive change. Through detail-oriented logic and a persistent pursuit of the truth, I tackle challenges from a multidisciplinary lens with dedication, consideration, and joy. With my cognitive science background, I identify and communicate meaningful insights from large datasets to bridge the gap between numbers and humans.

**SKILLS**

- Machine Learning - Python - Pandas - Statistical Analysis

- Neural Networks - SQL - Matplotlib / Seaborn - Scikit-learn / StatsModels

- Natural Language Processing - Web-scraping - Git / GitHub - Time Series Analysis

*Languages:* **English** (Native Language); **Spanish** (Professional, 7 / 8 on the Avant STAMP 4s assessment);**Mandarin** **Chinese** (High Intermediate/Low Advanced); **French** (Novice**)**

**EDUCATION**

**General Assembly,** *Washington, D.C. December 2019 – March 2020*

* Completed 20 labs and 6 project presentations collecting and manipulating data (Python, Pandas, APIs) and creating compelling visualizations (Matplotlib / Seaborn) to illustrate trends and research on context  
  - Created a musical recommendation system based on a short user input describing their mood (NLP (spaCy), Web-scraping, Clustering, Flask, HTML, CSS)  
  - Classified sub-Reddit posts as the Beatles or Queen (Python, NLP, Machine Learning)  
  - Mapped road closures from Twitter during Hurricane Harvey (Web-scraping, Logistic Regression, Tableau)
* 500+ hour immersive developing skills in Python, SQL, Scala, Scikit-learn, data visualization, statistical analysis, Bayesian statistics, machine learning, natural language processing (NLP), and neural networks

**University of Virginia,** *Charlottesville, VA August 2014 – May 2018*

B.A. Cognitive Science (concentration: Linguistics) & East Asian Studies

* GPA: 3.94/4.0; Phi Beta Kappa, Spring 2017 (top 4%); University Honor Society, Fall 2016

Relevant Coursework: Research Methods & Data Analysis I, Software Development Methods, Discrete Mathematics, Honors Calculus III, Neural Basis of Behavior, Introduction to Cognition

**PROFESSIONAL EXPERIENCE**

**Fulbright Taiwan, Foundation for Scholarly Exchange** Taitung, Taiwan

*English Teaching Assistant August 2018 – July 2019*

* Co-planned and co-taught 18 English classes per week with a local English teacher
* Developed relationships with the community through a new school running club and local English group

**Augmentative and Alternative Communication Lab** Charlottesville, VA

*Research Assistant January 2017 – May 2018*

* Elected to lead the team in the writing and editing of our final research report, currently in review
* Collaborated with a team of five to design, execute, and analyze data from semester-long research study concerning the best teaching method for Minspeak™ communication devices

**PUBLICATIONS**

***Towards Data Science:* “Decision Trees: Understanding the Basis of Ensemble Methods”***March 2020*