

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