KELLY SLATERY

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Data Scientist & Cognitive Linguist

Language is complex and computers are logical. I find joy in exploring the relationship between the two to discover meaningful insights from large datasets through detail-oriented logic and a persistent pursuit of the truth. With my cognitive science and multilingual background, I tackle challenges from a multidisciplinary lens with dedication and consideration to ultimately bridge the gap between numbers, languages, technology, 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 out of 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), modeling data to get predictions and make inferences (Machine Learning, Hypothesis Testing, NLP) and creating compelling visualizations (Matplotlib, Seaborn, Tableau, Flask) to communicate the findings
  - Created a musical recommendation system based on a short user input describing their mood (NLP (spaCy), Web-scraping, Clustering, Flask, HTML, CSS)
  - Mapped road closures from Twitter during disaster (Web-scraping, Machine Learning, 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: Software Development Methods, Spanish Phonetics, Spanish Linguistics, Psycholinguistics, Research Methods & Data Analysis I, Honors Calculus III, Second Language Acquisition, Philosophy of Language

IFSA-Butler Spanish Translation and Linguistics in Buenos Aires, *Argentina*   *July - December 2016*
- Took coursework conducted in Spanish and completed internship with a focus on linguistics and translation
- IFSA-Butler Work-to-Study International Correspondent: published 10 articles on IFSA-Butler Unpacked

UVA in Shanghai: Chinese Language, *China*   *May - July 2015*
- Completed two-month intensive study abroad program in Chinese language and culture study
- UVA ISO Scholarship recipient: posted weekly on personal blog: https://pages.shanti.virginia.edu/ISO_Blog_Site/

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 boards

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PUBLICATIONS

Towards Data Science: **"Decision Trees: Understanding the Basis of Ensemble Methods"**   *March 2020*
Juhe Supplement: 《说什么？怎么说？》   *May 2016*