Robb Herndon

Data Scientist

Arlington, VA | 510-290-2831 | redrobb07@gmail.com | [GitHub](#) | [Portfolio](#) | [LinkedIn](#)

I am a teacher and entrepreneur turned data scientist. I combine a high IQ with a high EQ, meaning that I love to get to the root of the problem and love to find creative solutions that work for a majority of stakeholders. I will not stop until I accomplish my goals.

SKILLS

Python | Google Cloud | MySQL | HTML5 | Scala | Tableau | Pandas | VisualStudios | Git | Github | NumPy | Matplotlib | Seaborn | Statsmodels | Scikit-Learn | Natural Language Tool-Kit | Beautiful Soup | TensorFlow | Keras | Statistical Analysis | Linear Regression | Logistic Regression | Time Series Analysis | Bayesian Methods | Tree-Based Methods | Unsupervised Learning | Neural Networks | Microsoft Office (Word, Excel, PowerPoint, etc.)

PROJECTS

Data Science Immersive Fellow | General Assembly | Remote | 10/11–01/22
Successfully completed 500+ hours of expert-led instruction hands-on learning of machine learning models using linear and logistic regression, tree based methods, and neural networks. Also worked in both Google cloud and AWS. Developed projects, including:

- [Ames Housing:](#) Built several multiple linear regression models that each showed a trend of under predicting the housing prices by 5-10% of actual value of the homes. The best model was 84% accurate.
- [Predicting Liberal](#): Built a model that scraped data from two separate subReddits, and used NLP to predict which subreddit a post came from. Built a model that was 75% accurate, which significantly beat the baseline model.
- [World Happiness](#): Built a model that could predict a person's happiness score based on answers to questions on the UN happiness index with 99% accuracy. The model was also able to predict which region of the world each person is from with 92% accuracy.
- [Topic Modeling for the Win?](#) Built a stacked model that incorporated a logistic regression, random forest, and a gradient booster to determine if topic modeling is better at predicting classes than standard NLP practices. Using only vectorized tokens produced an accuracy score of 78% and topic modeling only produced an accuracy of 54%.

RELEVANT EXPERIENCE

Co-Founder | Advanced Inergroup Map | Arlington, VA | Jan, 2021–Current
- Developed a concept to identify, map, and describe communities on social media through political speech patterns.

Marketing and Business Development | Sovereignty First | Arlington, VA | June, 2019–Dec, 2020
- Oversaw the launch of an online education tool including development of 40 hours of content, in class materials, and videos of lessons.

- Created marketing videos and ads for the launch of the product generating 1000+ views and 100+ click throughs
- Strengthened relationships with 3 strategic partners (including Blue Pearl, Conduitao, and Kennesaw State University) through follow-up meetings with senior leadership

Special Education Teacher | Ivymount School | Rockville, MD | Feb, 2017–June 2019
- Worked with 22 students with autism across 3 grades, successfully helping 5 transition back to typical high school
- Monitored and evaluated progress towards Individualized Education Plan goals

History Teacher | Fremont Unified School District **|** Fremont, CA | 08/06 - 06/13
- Delivered lessons to 120+ students daily, including at the Honors and AP level, with students in my classes consistently achieving high scores on statewide tests

EDUCATION

General Assembly | Data Science Immersive **|** Remote
University of Oregon | MS in Dispute Resolution **|** Eugene, OR
San Diego State University | BS in Social Science **|** San Diego, CA