JENNIFER TAYLOR BOYLES

-Data Scientist-

Springfield, VA 22015 • (703) 989-5785 • jentboyles@gmail.com

www.linkedin.com • jenboyles.github.io • github.com/jenboyles

With a passion for the sciences, I apply an analytical mind to discovering the hidden truths of data. As a former student-athlete, I take pride in cultivating an empathetic team culture while staying mission focused. Security clearance: clearable.

-TECHNICAL SKILLS-
Code: Python, Pandas, Scikit-Learn, Numpy, Tensorflow, Keras, SQL, Git, Spark, HTML
Machine Learning: Natural Language Processing, Neural Networks, Regression, and Classification
Visualization & Management: Matplotlib, Seaborn, Streamlit, data collection, web scraping, hypothesis testing

-**EXPERIENCE**-
General Assembly Data Science Fellow- Washington, DC November 2020 - March 2021
- 480-hour immersive program applying workflow from data collection, cleaning, and analysis to implementing machine/deep learning and predictive analytics techniques to solve global challenges.
- Team development of computer vision classifier to predict Covid-19 pneumonia, viral pneumonia, or normal presentations using chest X-rays with 93% accuracy.
- Recurrent neural network capstone predicting protein function from single-letter amino acid sequence with 94% balanced accuracy.

Virginia Tech Elite Soccer Academy- Blacksburg, VA Summer 2016 & 2018
- Mentored and coached 30 girls ages 8 and up to improve soccer skills, while fostering an environment to encourage team building, chaperoned overnight campers. Adherence to schedule, while chaperoning to different campus sites for practice, meals, and activities.
- Facilitated learning of technical game mechanics, while creating an open and empathetic environment for questions and mistakes.

4-Year NCAA DIV 1 Student Athlete- Virginia Tech July 2015 – December 2018
- Displayed leadership by working with others; building team chemistry and synergy through athletic and mental adversity.
- Developed strong time management skills in balancing academics with required team activities; averaged 25 hours per week in practice, games, and travel.

-**EDUCATION**-
General Assembly Data Science Immersive- Washington, DC November 2020-March 2021
- Modeled large and disparate data sets using a variety of machine learning techniques. Acquired and cleaned data from a number of sources.
- Completed 24 labs and 6 projects to develop proficiency with Python and associated libraries including Pandas, Scikit-learn, Numpy, Matplotlib, Statsmodels

Virginia Polytechnic Institute and State University - Blacksburg, VA July 2015 – December 2018
- Major/Minor: General Biology, Chemistry
- Summa Cum Laude graduate, GPA: 3.97