

Robert Wilson Stewart

Data Scientist

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Data Scientist with MS in Physics and more than 3 years of experience in research. I am skilled at tackling and completing complex problems through an analytical lens. I look forward to using data to provide critical insights towards solving real-world problems.

SKILLS

- Python: numpy, pandas, scikit-learn, scipy, matplotlib, seaborn, Keras, TensorFlow
- SQL
- Amazon Web Services
- C
- Mathematica
- Critical Thinking
- Problem Solving
- Research
- Probability and Statistics

EXPERIENCE

General Assembly Washington, DC
Data Science Immersive Course September 2019 – December 2019

- Used Google Maps API and social media to create a real-time model that successfully optimized evacuation routes during natural disasters
- Built an item-based collaborative recommender system application in Python Flask to give recommend breweries based on a user's beer preferences. User accounts and beers paired with those accounts are stored on a SQL Alchemy database allowing the recommender to dynamically update recommendations
- Used binary classification and NLP to identify with 92.59% accuracy where a Reddit post came from based on its title text

Lee High School Springfield, VA
High School Physics Teacher July 2018 – June 2019

- Designed and organized curriculum for 130 students across five classes
- Facilitated an engaged and disciplined student-centered learning environment

The George Washington University Washington, DC
Graduate Teaching Assistant August 2015 – May 2017

- Worked and taught alongside a professor in a collaborative classroom environment
- Graded laboratory reports, weekly quizzes, workbooks, and exams for 2 different 80 student classes

Target Charlottesville, VA
Manager November 2012 – May 2015

- Structured price accuracy workload each week for 10 price accuracy team members
- Reorganized the structure of team member assignments to promote efficiency and increase sales

RESEARCH

The George Washington University Washington, DC
Nuclear Physics Research Assistant May 2016 – May 2018

- Co-authored a paper currently in progress titled, *Dissecting Deuteron Compton Scattering II: The Observables with Polarised Initial States*

Arecibo Observatory Arecibo, Puerto Rico/Moraga, CA
Undergraduate ALFALFA Team Member May 2011 – May 2012

- Co-authored *ALFALFA: The Arecibo Legacy Fast ALFA Survey, January 2012 Undergraduate Team Workshop*
- Observed six promising dark galaxy candidates using the telescope's L-Band Wide receiver

EDUCATION

General Assembly Washington, DC
Data Science Immersive Course September 2019 – December 2019

The George Washington University Washington, DC
M.S Physics August 2015 – May 2018

- Recipient of the Graduate Assistantship and University Fellowship Award

Saint Mary's College of California Moraga, CA
B.S. Physics, Minor Mathematics August 2008 – May 2012

- University level physics and mathematics tutor (2009-2012)