

# 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

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

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- General Assembly Washington, DC  
**Data Science Immersive Student** September 2019 – December 2019
- Used Google Maps API and social media to build a real-time model to optimize evacuation routes during natural disasters.
  - Built an item based collaborative recommender system to give brewery recommendations based on a user's beer preferences.
  - Looking at 2 subreddits, I used binary classification with NLP to identify with 92.59% accuracy where a post came from based on its title text
- Lee High School Springfield, VA  
**High School Physics Teacher** July 2018 – June 2018
- Designed and organized curriculum for 130 students across five classes
  - Maintained an engaged and disciplined student-centered learning environment
- The George Washington University Washington, DC  
**Graduate Teaching Assistant** August 2015 – May 2017
- Worked alongside a professor in a collaborative classroom environment
  - Graded laboratory reports, weekly quizzes, workbooks, and exams for 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

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- 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

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- 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)