Madison Turano
11980 Barrel Cooper Ct., Reston, VA 20191 | madly9@gwmail.gwu.edu | 703–582–6230

Education

Masters of Science, Data Science, George Washington University, Washington, DC — December 2019
Relevant Projects:

- Used Python to collect and analyze data for trends in spending of the top ten military spending countries
- Used Tableau and SQL to collect, clean, and analyze data to find insights in Chicago crime rates
- Used R, HTML, and Javascript to collect and analyze American Housing Survey data to find price trends

Bachelors of Science, Mathematics, George Washington University, Washington, DC — May 2017
Dean's List
Summa Cum Laude (GPA: 3.82/4.00)

Technical Skills

Programming: Python, R, SQL, HTML, Javascript **Software:**
Tableau, Microsoft Office, MySQL, Oracle

Experience

Prosphere | SQL Developer — Alexandria, VA
IT government consulting firm — June 2018 – Present

- Independently develop and review SQL code to clean and analyze Veterans' Affairs' databases
- Research and report innovative technologies to keep ProSphere on the cutting edge of IT solutions

Reingold | Communications Intern — Alexandria, VA
Communications and marketing firm — June 2017 – May 2018

- Took the initiative to provide support to the tech department by exploring marketing datasets and determining data analysis techniques to employ
- Used Tableau to analyze data to determine the effectiveness of Reingold's marketing strategy and summarize findings
- Analyze multiple datasets to determine success of Reingold's link building efforts and identify areas of weakness, used to modify link building strategies to increase likelihood of link placement

George Washington University Mathematics Department — Washington, DC
Private Mathematics Tutor — August 2016 - May 2017

- Tutored 10-15 liberal arts undergraduate students in mathematical concepts that resulted in higher exam scores for the students

Undergraduate Teaching Assistant — August 2014 - May 2016

- Planned and conducted multiple review sessions for 60 - 80 liberal arts undergraduate students
- Analyzed and reported students' overall performance and aptitude to the lead instructor

JUMP Cohorts | Project Leader — August 2014 – May 2015
National Science Foundation funded program for exceptional mathematics and physics students

- Set project goal to determined simulation of Schrodinger's wave equation and executed goal
- Allocated assignments and duties based on members' experience, strengths, and areas of improvement

Pedagogy for Learning Assistants | Student Assistant — August 2014 - December 2014

- Researched how students learn and understand mathematics and applied research as a private math tutor

- Prepared questions and interviewed students to investigate their study habits and report findings to supervisor
- Examined students' formative assessments to assess their understanding of mathematical material and generated a report of findings

Honors and Awards

National Society of Collegiate Scholars	Fall 2014 – Present
Joint Undergraduate Mathematics and Physics Scholarship	Fall 2014 – Present
Golden Key International Honor Society	December 2015 – Present
Pi Mu Epsilon, The National Mathematics Honor Society	Spring 2016 – Present
Benjamin A. Gilman International Scholarship	April 2016