Andrew Caietti

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Education

College of William & Mary, Williamsburg, VA   *August 2017 - Present*

Bachelor of Science: Applied Mathematics; Deans List 2019, 2020; Expected Graduation: May 2021

Coursework

Elementary Analysis, Spatial Data Analysis, Statistical Data Analysis, Databases (SQL), Operations Research Stochastic Modeling, Probability Theory, Game Theory, Ordinary Differential Equations, Data Structures

Professional Experience

Solutions Engineering Intern, Tableau Software

District of Columbia, DC   *May 2020 – August 2020*

- Delivered product demos of the Tableau Platform and advised customers on their technical deployments in the Healthcare and Retail industries.
- Maintained data within the Extract, Transform, and Load workflow to curate for visualization in product demos.
- Trained extensively on the Tableau platform, passing multiple internal and external certification exams.
- Developed a webinar highlighting the value-add of advanced Tableau features to an audience in Healthcare.

Intern, U.S Department of the Treasury

District of Columbia, DC   *May 2019 – August 2019*

- Developed an Access database of 364 relational data points, automating the creation of reports for 11 different offices using Visual Basic for Applications (VBA).
- Presented research on Treasury's national security tools to the Assistant Secretary of Management and Deputy Director of the Financial Crimes Enforcement Network.
- Analyzed and visualized over 65 relational data points pertaining to business functions and operations.

Research Assistant, William and Mary Department of Mathematics

Williamsburg, VA   *October 2018 - Present*

- Developed and optimized Decision Tree, Linear (Support Vector Machine), and Probabilistic NLP classifiers in Python.
- Developed a SQLite relational database from various data sources for machine learning training and applications.
- Applied multiple mathematical models to simulate biological interactions between neurons in a Python environment, analyzing trends in neuronal activity over time in infant mammals with Professor Mainak Patel.

Orientation Area Director, Office of First Year Experience

Williamsburg, VA   *September 2019 – Present*

- Collaborated with 9 other Orientation Area Directors to implement a 5 day orientation program for 1,500 incoming students in adherence with Covid19-safety guidelines.
- Interviewed and hired 220 undergraduate Orientation Aides (OAs) to facilitate a positive academic and social transition for incoming students.
- Developed and adapted programming in collaboration with professional staff, including the Dean of Students Office, Counseling Center, and Center for Student Diversity.

Volunteer Experience

William & Mary Honor Council   *Williamsburg, VA*

Member   *January 2018 - Present*

- Work with the Dean of Students Office, handling confidential casework regarding undergraduate honor code violations related to lying, cheating, and stealing.
- Faculty Liaison committee member responsible for educating faculty on the process of reporting violations, collaborating on a team to designate faculty ambassadors on the honor process.

Proficiency

Python, SQL, Github, SKLearn, Tableau, VBA, LaTeX, Jupyter Notebooks, Data Management & Analysis, Data Collection, Statistical Methods, Public Speaking, Fundamentals of Lean Six Sigma, Spanish (Intermediate), Microsoft Office