

Connor Sughrue

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OBJECTIVE/RESUME PROFILE

William & Mary junior with excellent leadership skills, experience working with adults from diverse backgrounds. Looking for a summer internship to build my professional experience in the areas of data science or research.

EDUCATION

College of William and Mary Williamsburg, VA
B.S. in Data Science & Minor in Computer Science August 2018 – May 2022 (Expected)
GPA: 3.30

Relevant Courses Spring 2020 – Fall 2020
DATA 310: Applied Machine Learning
CSCI 241: Data Structures
MATH 351: Probability & Stats for Scientist
MATH 352: Statistical Data Analysis

Relevant Courses Spring 2021
DATA 442: Neural Nets & Deep Learning
DATA 330: Applied Time Series Analysis
DATA 311: Databases
DATA 211: Data Visualization

PROFESSIONAL EXPERIENCE

AidData - TDF (a research lab at William & Mary's Global Research Institute) Williamsburg, VA
Research Assistant Intern (part-time) February 2020 – December 2020

- Worked on AidData's Tracking Underreported Financial Flows (TUFF) team. Used open-source data to collect and verify foreign financial aid data from China to enhance AidData's Underreported Financial Flows data set. Performed quality assurance on other research assistant's data collection assignments

Toffler Associates (Strategic Foresight Consulting) Arlington, VA
Research Associate Intern (full-time) December 2019 – January 2020

- Conducted qualitative research and analysis. Supported study for Department of Homeland Security to develop a new private-public partnership model that protects critical infrastructure from systemic risk. Drafted conclusions based on the team's research and helped explain/defend our findings in a quality review with the Toffler directors

EXAMPLE PROJECTS (<https://github.com/cpsughrue>)

Portfolio Optimizer

- Python program that calculates tangency portfolio of risky assets (assets in portfolio determined by user).
- Uses Alpha Vantage API to download financial data and convex optimization library CVXPY to facilitate calculations.

Housing Kaggle Competition

- Used pandas, NumPy, Matplotlib, and scikit-learn to analyze, visualize, and predict the sales price of homes.
- Placed 1st out of 66 participants in Kaggle competition.

LEADERSHIP EXPERIENCE

William and Mary IFC Executive Officer Williamsburg, VA
VP of Finance and Administration (volunteer) December 2018 – December 2019

- Controlled and managed finances for William and Mary's Interfraternity Council. Scope included: developing budget proposals, sending invoices, managing bank communication and meeting minutes. Responsible for a budget of approximately \$20,000

Boy Scouts Arlington, VA
Eagle Scout (volunteer) April 2016 – February 2018

- Led planning efforts for events, e.g., retreats, camping trips, award ceremonies. Coordinated weekly agenda and content development for approximately 70 boy scouts. Completed Eagle Scout project.

SKILLS

Technical: Python, SQL, R, Jupyter Notebooks, Anaconda, MaxQDA, and Excel