

# Connor Sughrue

(703) 785-8972 • 2301 S Inge Street, Arlington, VA 22202 • cpsughrue@gmail.com

## OBJECTIVE/PROFILE

William & Mary senior with strong project management skills, experience collaborating as part of a multi-disciplinary team, and proven technical skills. Looking for a data engineering position where I can continue to learn and make an impact.

## EDUCATION

College of William & Mary	Williamsburg, VA
B.S. in Data Science with concentration in Algorithms	August 2018 – May 2022 (Expected)
GPA: 3.37	

### 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

WMATA - PERF	Washington, DC
<i>Performance Analyst Intern (full-time)</i>	June 2021 – August 2021

- Designed and implemented algorithm that transforms WMATA rail system into a directed graph. Developed accompanying library of utility functions to analyze the impact of service adjustments. Built Power BI dashboard with NTD data to help advance benchmarking efforts. Helped design data mart and ETL process for GTFS-RT data.
- Won: Intern of the Year

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

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

Toffler Associates (Strategic Foresight Consulting)	Arlington, VA
<i>Research Associate Intern (full-time)</i>	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 Toffler directors.

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

### Investment Portfolio Optimizer

- Object Oriented Python program that implements several portfolio optimization strategies.
- Uses Alpha Vantage API to download financial data and convex optimization library CVXPY to facilitate calculations.

### Washington Post Fatal Force

- Analyzed and visualized the Washington Post's Fatal Force database for research project on police shootings.

## LANGUAGES, LIBRARIES, AND FRAMEWORKS

Python, C++, SQL, R, TensorFlow, Keras, scikit-learn, Pandas, NumPy, Matplotlib

## LEADERSHIP EXPERIENCE

William and Mary IFC Executive Officer, <i>VP of Finance and Administration</i>	December 2018 – December 2019
Boy Scouts, <i>Eagle Scout</i>	April 2016 – Present