

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 multi-disciplinary teams, and proven technical skills. Looking for a Software Engineering position where I can continue to grow and make an impact.

EDUCATION

College of William and Mary Williamsburg, VA
B.S. in Data Science: 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
Performance Analyst Intern (full-time) June 2021 – August 2021

- Built tool in R that transforms transit system into graph and developed an accompanying software library that leverages graph algorithms to analyze impact of service adjustments and automate tasks for the Office of Transit Performance Management team. Analyzed and visualized GTFS and other transit data using Python, R, and SQL

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 flows 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 Toffler directors

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

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.

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.

LANGUAGES, LIBRARIES, AND FRAMEWORKS

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

LEADERSHIP EXPERIENCE

William and Mary IFC Executive Officer, *VP of Finance and Administration* December 2018 – December 2019
Boy Scouts, *Eagle Scout* April 2016 – February 2018