Piper Macke

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Washington, District of Columbia

Summary

Graduating GWU student majoring in Data Science with experience in team leadership roles as demonstrated by time as a Division One athlete; looking for roles to leverage skills in data analysis, reporting and visualization, and front end web development

Education

The George Washington University
2020-2024

Bachelor of Science in Data Science • Washington, D.C. • 3.71 GPA

- Presidential Academic Scholarship recipient
- **Dean's List:** Columbian College and Arts and Sciences

Skills

- Data analysis and visualization in R, Python (NumPy, Matplotlib, Pandas), and Stata
- Foundational understanding of relational and non-relational database management
- Frontend web application development
- Introductory machine learning knowledge
  - (clustering, decision trees, calculating entropy, building confusion matrices)
- Excellent written and oral communication with capability to convey complex results in an understandable way

RStudio - 2 yrs
Posit Cloud - 2 yrs
Python - 2 yrs
Stata - < 1 yr
MySQL, MongoDB, Neo4j - < 1 yr
HTML, Javascript, JQuery, CSS - 1.5 yrs
Github - 2 yrs

Projects

Politics in Crime • Multiple Regression Analysis of Political Leaning and Crime
Fall 2023

Paper examining the link between political leaning and reported frequency of specific crimes in the U.S. using a World Values Survey dataset to conduct a regression analysis in Stata

Assessing Division One Potential • Predictive Basketball Data Visualization
Spring 2023

Comprehensive RStudio data visualization leveraging a Github dataset of 14,000+ women's college basketball players and comparing key variables to determine probability of a high schooler playing Division One in college

RecipeGram • Frontend Web Application for Recipe Trading
Fall 2023

Hypothetical profitable business where users can earn in-app currency through engagement, developed as a frontend web application to showcase proficiency in HTML, Javascript, JQuery, and CSS

Working Portfolio • Personal Quarto Website Coded in Posit Cloud
Current

In-progress website containing other written and technical works that can be accessed at https://pipermacke.github.io/piperwebsite/

Professional Experience

U.S. House of Representatives | Undergraduate Fellow
06/2023 - 08/2023

- Experience in stakeholder engagement through meetings with Congressional members and involvement in various hearings initiated by the Select Subcommittee on the Coronavirus Pandemic
- Deadline management for hearing transcripts, interviews, and investigations to support committee operations
- Conducted cross-committee research to deliver valuable correlational insights to team regarding relevant information discussed outside the Select Subcommittee

Athletics and Leadership

Division One Women's Basketball Player
2020-2023

The George Washington University • Washington, D.C.

- Balanced 20-40 weekly hours of athletic obligations in addition to academics, led several campus tours for prospects, and scheduled regular meetings with coaches for individual improvement
- Member of LEAPP (Leadership Excellence: Acquire, Practice, Perform) alongside other specially chosen university athletes for their leadership ability