Pouya Mohammadi

Passionate about using data to model human behavior and social phenomena

512.750.1370
pouya.mohammadi@duke.edu
pmohamma.github.io

EXPERIENCE

Storyfit, Austin, TX — *Data Science Intern*
May 2019 - July 2019

– Developed code to automate cross-datasource movie and contact deduplication using AWS, Import.io, and Hubspot APIs as well as fuzzywuzzy, pandas, re, and numpy Python packages
– Post-processed and visualized different model outputs for customer deliverables & internal performance metrics using Python, JSON, SQL, & R
– Constructed scripts to ease clean up and visualization of Storyfit's AWS database

Bad Idea Factory, Durham, NC — *Software Engineer Intern*
Dec 2018 - May 2019

– Created an application similar to Grammarly for political journalists to identify bias in their writing
– Developed a script to parse all speeches given in Congress and return a list of the most partisan phrases using scipy, nltk, and re Python packages

Trinity University, San Antonio, TX — *Research Co-Author*
June 2018 - Present

– Wrote Python scripts to scrape open source data on variables concerning climate opinion, climate policy, and related control variables
– Utilized BeautifulSoup, JSON, pandas, xlsxwriter and xlrd Python packages to organize the data
– Read literature on the sociology of climate change and helped make executive decisions on the research

Congressman Lloyd Doggett, Washington, D.C. — *Intern*
April 2018 - June 2018

– Compiled code to parse the Congressman's website for dead hyperlinks
– Managed constituent concerns by providing referral resources and diffusing conflict situations
– Attended hearings on climate zoning and tax codes and wrote reports presented to the Congressman

CAMPUS AND COMMUNITY INVOLVEMENT

Duke Housing — *Residence Assistant*, 2019-Present
Overseeing dorm life and planning social events for students

Duke Persian Society — *Member*, 2018-Present
Engaging with the local Persian community through various events

Trinity Progressives — *Organizational Relations Director*, 2017-18
Organized events for the club, including an event for Bernie Sanders

PROJECTS

Photo ID Laws Impact
Wrote programs to scrape and analyze 2016 election data in order to understand the impact of photo ID laws on minority voter turnout.

SKILLS

Python, Java, R, SQL, HTML, CSS, and Scala

Windows and Linux

Farsi (conversational) and Latin (read and write)

RELEVANT COURSEWORK

Design/Analysis of Algorithms
Intro to AI
Intro to Data Science
Data Structures & Algorithms
Low-Level Computing
Discrete Mathematics
Linear Algebra
Probability
Calculus 3
Regression Analysis

EDUCATION

Duke University
Durham, NC
Bachelor of Arts - Data Science
2021

GPA: 3.925
Dean's List every semester
Wayne Manor Social Group

Trinity University
San Antonio, TX
Bachelor of Arts - Computer Science and Political Science
2017-2018

GPA: 3.87
Dean's List every semester
Murchison Scholar

HOBBIES

Basketball
Politics
Thrift Shopping