

Pouya Mohammadi

Passionate about using data to model human behavior and social phenomena

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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, xlswriter and xldr 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 PhD Machine Learning

Intro to AI

Intro to Data Science

Data Structures & Algorithms

Low-Level Computing

Discrete Mathematics

Linear Algebra

Statistics

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