CONNOR ROTHSCHILD

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EDUCATION

Bachelor of Arts | Expected: May 2021 | Rice University

- **MAJORS**: Political Science and Social Policy Analysis | **MINOR**: Data Science
- **GPA**: 3.85/4.000 (President's Honor Roll, Fall 2019, Spring 2020)
- **COURSEWORK**: Statistics in Political Science (POLI 395), Election Systems (COMP 435), Statistics for Data Science (DSCI 301)

WORK EXPERIENCE

Data Science Intern, US Special Operations Command | May 2020 – August 2020
- Through a fellowship with Coding It Forward, one of two interns in SOCOM's inaugural data internship program
- Assisted creating a machine learning model for predictive maintenance on CV-22 helicopters to reduce downtime & improve readiness
- In six weeks, built a fullstack web application that automates the process of verifying inventory data, expected to save roughly 2500 man hours and $102,000 annually

Data Science Associate, Moksha Data | May 2020 – Present
- Created an 'equity analysis' for the City of Houston's first-round COVID-19 rental assistance program, which influenced the allocation of over $2 million in subsequent rounds
- Create interactive, engaging graphics and analyses for clients including Harvey Home Connect and the City of Houston

Data Science and Research Intern, Texas Policy Lab | October 2018 – Present | Bio
- Conduct policy research used to inform government leaders and influence public policy
- Developed an R package "TPL Theme," which creates publication-ready plots using ggplot2
- Created a data dashboard for the TX Juvenile Justice Department presenting changes in prison populations

AWARDS

First Place, COVID-19 Houston Response Projects | April 2020 | Media
- Awarded first place in the Rice Data 2 Knowledge Lab's 'CHRP' competition
- Studied mobility and movement during COVID-19, and analyzed the effectiveness of stay-at-home orders statistically and visually
- The final product was an R Shiny dashboard, which can be found here.

First Place, Rice Datathon 2020 (Houston Track) | March 2020
- Awarded first place in the 2020 Rice Datathon for my visualization "Mapping Houston Homicides."
- Built a scrollytelling visualization for the purposes of narrative storytelling in <16 hours

Hudspeth Award for the Best Undergraduate Seminar Paper in Political Science
- In recognition of "¡Vota! Testing the Impact of Spanish-Language Ballots on Election Results and Preferences."

First Place, Baker Institute's Undergraduate Policy Competition | September 2018 | Media
- Award given in recognition of a 6000-word research paper and 20-minute presentation
- Proposed a new approach to Haitian food assistance, recommending unconditional cash transfers

First Place, Houston-Centered Policy Design Competition | February 2018 | Media
- Proposed an innovative multi-home buyout system in the wake of Hurricane Harvey
- Awarded prize money and seed money for implementation

National Champion, International Extemporaneous Speaking | June 2017 | Media
- National Champion in NSDA International Extemporaneous Speaking, sponsored by the Council on Foreign Relations

SELECTED PROJECTS

TPL Theme | Work Experience
- R package which contains tools to create publication ready plots using ggplot2

Mapping Missing Migrants | Personal Project
- Created a scrollytelling visualization of location data to visualize trends in missing migrants since 2014
- Analyses done in R, JavaScript, Mapbox Studio. Styling done with HTML/CSS
- Awarded the Bronze (Student category) at the Malofiej 28th International Infographics Awards

SKILLS

Expertise: R (ggplot2, dplyr, Shiny), D3.js, Tableau, Mapbox | **Proficiency:** SQL, ArcGIS, LaTeX, Python, PowerBI