

MIKE FELDMAN

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EXPERIENCE

MITRE, McLean, VA
Data Scientist

July 2021 - Present

UChicago Crime and Education Labs, Chicago, IL
Data Research Assistant

November 2020 - June 2021

- Tested, debugged, and developed new features for command-line geocoding tool (using Python) that takes street addresses as input and returns precise geographic coordinates. Tool is now used by data scientists and analysts throughout the organization
- Developed tool in Python that helps user to convert Chicago demographic data from one level of geographic aggregation to another

American Civil Liberties Union (ACLU), New York, NY
Data Science Intern

June - August 2020

- Performed exploratory analysis on Federal Election Commission data in R (using dbplyr, tidyverse, and ggplot2) to examine political donation habits of ACLU donors. Findings were presented to Executive Director and cited in press release by the ACLU
- Wrangled ACLU donor data in SQL and built dashboard in Looker to track effectiveness of emails prompting donors to update credit card information. Presented completed dashboard to organizational stakeholders

Two Sigma Investments, New York, NY
Compensation Analyst

January 2013 - July 2019

August 2015 - July 2019

- Led and contributed to employee compensation-related projects and adjacent initiatives. Accomplishments included:
 - Project managing the implementation of a regular pay equity analysis process for the company
 - Building an Excel tool that calculates and assigns market pay percentiles to teams across the company
 - Performing extensive cost modeling to support development of a new compensation plan affecting 100+ employees
- Maintained, validated, and updated company's bonus budget funding model
- Led the team's execution of recurring reporting obligations, liaising with finance and accounting teams

Talent Analytics Analyst [concurrent with Employee Relations and Compensation roles]

June 2014 - June 2016

- Built and maintained attrition, recruiting, headcount, and exit survey dashboards in Excel (using VBA) and Tableau, for use and reference by HR business partners, HR leadership, and business leaders

Employee Relations Analyst

January 2013 - July 2015

- Systematized and improved internal team processes by constructing checklists, assembling process toolkits, and simplifying and standardizing workflows

EDUCATION

University of Chicago

September 2019 - June 2021

M.S., Computational Analysis and Public Policy | GPA: 3.97/4.0

Relevant Coursework: Machine Learning, Algorithms, Statistics, Experimental Design, Databases

University of Pennsylvania

September 2008 - May 2012

B.A., Political Science | GPA: 3.97/4.0

DATA SCIENCE PROJECTS

Ticket to Ride Where?

March 2020

- Developed machine learning (ML) pipeline (using scikit-learn & pandas) to predict public transit ridership rates for Illinois Census tracts. Project intended to help local and state policymakers find promising locations to prioritize for public transit funding

When Will They Fix It?

December 2020

- Developed ML pipeline (using NumPy, scikit-learn, and pandas) to choose models that best estimate the time needed to complete a 311 service request in Chicago. Project intended to provide better alternative to completion estimates posted on Chicago's 311 web portal

SKILLS & TECHNOLOGIES

Languages: Python, SQL, R, VBA; familiar with Bash, Javascript, HTML, CSS

Data Wrangling: pandas, tidyverse

Visualization: Altair, seaborn, ggplot2, Tableau, Looker; familiar with D3

Machine Learning: scikit-learn, NumPy (for matrix operations)

Other Tools/Software: git/GitHub, Microsoft Office (Excel, Access, Powerpoint, Word)