

# Anna Liticks

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## EDUCATION

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**Carnegie Mellon University**, Heinz College, Pittsburgh, PA May 2024  
M.S. in Public Policy & Management – Data Analytics  
*A highly selective STEM certified program that includes robust coursework in data mining & machine learning, statistics & modeling, and computer programming.*

**Pomona College**, Claremont, CA May 2020  
B.S. in Statistics, Minor in Political Science

## SKILLS & COURSEWORK

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Technical: R (Tidyverse, Shiny), Python (pandas, NumPy), Power BI, SQL, Tableau, Excel, GIS

Languages: French (advanced), Spanish (basic)

Courses: Data Analysis, Machine Learning, Database Management, Econometrics, Statistics & Modeling, Management Science, Technology Policy, Advanced Business Analytics, Artificial Intelligence

## PROJECTS

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**Consolidated Course Searching Tool [Python]** November – December 2022  

- Developed a unified course searching tool by combining data collected through webscraping, querying an API, and manipulating a csv file using the Beautiful Soup, requests, json, and pandas libraries

**Mapping Micromobility Access By Demographics in Pittsburgh [R Shiny]** October 2022  

- Designed an interactive mapping dashboard to analyze disparities in bike share access in Pittsburgh across various demographic characteristics using R shiny, leaflet, and shinydashboards

**Best Practices in Local Business Engagement [R + GIS]** January – May 2020  

- Researched and analyzed business engagement data of 7 community development organizations across the US, and recommended a list of actionable programs to help the attract and retain local businesses in each community

## PROFESSIONAL EXPERIENCE

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**City of Sacramento**, Sacramento, CA June 2020 – July 2022  
Analyst – Department of Health and Human Services

- Created dashboards for city leadership that reviewed service usage across departments, resulting in city-wide optimization of social services and a 10% savings of annual budget
- Collaborated with a team of 3 to develop a housing-insecure population model that was adopted by the City of Sacramento
- Applied GIS to map 6,000+ publicly funded Sacramento housing assets to create a current consolidated database
- Analyzed and compiled data on high-cost users of the city's health and human services, and reported initial findings to mayoral leadership team

**Federal Reserve Board**, Washington, D.C. June – August 2019  
Payment Systems Intern

- Collaborated with research assistants to research and organize a presentation on Bayesian linear regression that was presented to section economists
- Compiled information about changes in the Federal Reserve Payment Study over time; produced a document that will be used to train new hires in the section

## SERVICE & LEADERSHIP

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**Statistics with R**, Teaching Assistant August 2022 – Present

**Students Using Data for Social Good**, Member August 2022 – Present