IZZY YOUNGS

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Summary	Highly organized Research Specialist and passionate city lover with experience in a dynamic and fast-paced academic lab setting. Proven track record of utilizing deep technical expertise and urban planning education to develop timely, relevant, and valuable tools and policy recommendations for technical and non-technical audiences.

Education

Georgetown University — Washington, DC
Master of Professional Studies in Urban and Regional Planning (Summa cum Laude) — *Aug '21*
- *Awards and Distinctions:* Chair, 2021 Graduate Planning Society; 2020 Georgetown Global Cities Initiative Graduate Fellow; 2021 Community Builder Award; 2020 Geospatial Prize
- *Thesis:* Smart City Planning: Using Machine Learning to Develop Local Household Eviction Prevention Strategies

University of Nevada, Reno — Reno, NV
Bachelor of Arts, double major in Political Science, Communication Studies (cum Laude) — *Dec '16*

Experience

Georgetown University, Massive Data Institute — Washington, DC
Research Specialist — *Aug '21 – Present*
- Conducted major research activities including policy analysis, geospatial mapping, data processing pipeline development, interactive and data-driven visualization production, and statistical and administrative data quality evaluation.
- Translated and presented technical research findings into high-level policy recommendations, conference presentations, webinars/seminars, blog posts, reports, and infographics.
- Designed and developed web-based interactive tools and applications to engage community organizations, demographers, urban planners, and researchers across industries and encourage new workflows for assessing data accuracy.
- Consulted planning officials and community organizations on topics related to data privacy, data quality, and data utility to improve downstream workflows by encouraging the utilization of high quality and equitable data and methodologies.

Project Manager — *Oct '19 – Aug '21*
- Managed a $3 million+ portfolio of projects by overseeing the entire project cycle from writing funding proposals, creating financial budgets, outlining work plans, submitting Institutional Review Board applications, and overseeing data purchases and data use agreements to documenting procedures and authoring final grant reports.
- Hired, onboarded, and supervised over a dozen research assistants, providing compassionate and collaborative leadership and connecting assistants to opportunities for professional and academic growth.
- Coordinated the event planning and marketing for virtual webinars, events, executive education training, and capacity-building programs with industry experts through professional associations and organizations.

Georgetown Business Improvement District — Washington, DC
Data Science Intern — *May '20 – July '20*
- Analyzed visitor and local demographic and business data for the second most visited BID in the District to assess retail and office market performance as well as transportation behavior across the modal split to contribute to economic development and COVID-19 recovery approaches, resulting in 3,400 linear feet of sidewalk extensions for outdoor dining and new public furniture for six outdoor plazas.

Urban Institute, Office of Technology and Data Science — Washington, DC
Academic Intern — *Jan '20 – May '20*
- Evaluated and summarized a dozen Smart City and equity initiatives around the country into case study memos for a report comparing how public procurement, data governance, and administration practices affect equity promises.
- Contributed to a bias assessment tool by using R to spatially join points and polygons to census tracts, which automatically generates reports on the demographic bias of data sets.

The Lockard Group — Carson City, NV
Legislative Assistant — *Feb '19 – June '19*
- Developed and delivered a legislative agenda by lobbying state lawmakers, analyzing proposed legislation, suggesting amendments, providing testimony, tracking bills, and writing reports, resulting in the advancement of policy priorities.

Publications

Space and Place: How Political Geographies Vary Across the US. May 2022.
Balancing Utility Versus Privacy in the 2020 Census: Sentiments from Data Users. April 2022.
A Crash Course on the Census Bureau's TopDown Algorithm. March 2022.
Who is Missing from Administrative Data? August 2020.
Using Administrative Data for Economic Stimulus. July 2020.

Tech Stack

ArcGIS, Tableau, R (tidyverse, sf, ggplot2), RMarkdown, QGIS, HTML/CSS, WordPress, LaTeX/Overleaf, Zotero, Leaflet/Mapbox, Github, Canva, Google Cloud Platform, Unix Command Line, SPSS, Colab, Jupyter Notebooks, Microsoft suite, and Google suite.

Interests

Reading science fiction novels, hiking in the Sierras, doing the daily crossword puzzle, and listening to the 99% Invisible podcast.