

IZZY YOUNGS

izzyyoungs@gmail.com

Washington, DC

775-420-1217 | [LinkedIn](#) | [Website](#) | [Github](#)

SUMMARY:

I am an experienced professional in urban analysis and political advocacy and eager to apply this background to support evidence-based policy making.

EDUCATION:

Georgetown University, Washington, DC

MA in Urban and Regional Planning, August 2021

- Chair, Graduate Planning Society
- Awardee, 2020 Geospatial Prize

University of Nevada, Reno

BA cum laude in Political Science and Communication Studies, Fall 2016

- Treasurer, Queer Student Union
- Treasurer, Young Democrats

PROFESSIONAL EXPERIENCE:

Georgetown University, McCourt School of Public Policy, Massive Data Institute, Washington, DC

Project Manager, August 2019 – Present

- Managed multiple projects and grants totaling \$2.9 million related to data governance, administrative data linkage, population estimates methodology, and the 2020 census.
- Awarded \$670k in grant funding and secured the unit's financial health by managing the grant proposal process for the unit's data governance and population measurement projects.
- Coordinated the day-to-day operations of the unit by developing an internal management system, crafting outbound communications using MailChimp, and establishing our online presence using WordPress.
- Defined concrete goals and identified assets and priorities to improve grant financial performance and ensure efficient development sprints for data products and web-based interactive tools.

- Documented standard operating procedures and internal tool processes for accessing Google Cloud Platform virtual machines through the command line and versioning data using git and Github.
- Designed and created a staff intranet site using Google Sites to manage staff report outs, host project Gantt and RACI charts, and pool procedures and resources.
- Hired, onboarded, and supervised over a dozen research assistants for the unit, oversaw the subcontracting and procurement process for independent contractors, and served as a point of contact between contractors, Research Assistants, and Principal Investigators.
- Consulted for local government administrators to resolve issues related to population measurement modeling, data governance, and administrative data linkage.
- Wrote blog posts for the Massive Data Institute about the census, population measurement using administrative data, and ethical administrative data reuse for secondary academic and policy development purposes.
- Established the unit's brand identity, user design interface, and visual identity standards and created graphics, dashboards, and maps for reports using ArcGIS, Mapbox, and RMarkdown.

Georgetown University, Global Cities Initiative, Washington, DC

Graduate Fellow, January 2021 – June 2021

- Authored a report on the obstacles and opportunities of expanding the use of GIS across the Georgetown campus through interviews with academic scholars, students, digital scholarship librarians, and department administrators.
- Performed a conditions assessment to identify the major opportunities for Georgetown to expand their support of spatial analysis and thinking.
- Developed an ArcGIS Urban model of the Friendship Heights area to simulate development proposals for a studio course.
- Developed a workshop in collaboration with Esri's Solution Engineer for Smart City Solutions on utilizing ArcGIS Urban for students in the studio course.

Georgetown Business Improvement District, Washington, DC

Data Science Intern, May 2020 – July 2020

- Analyzed mobility data from Placer.ai, the Census Bureau, and open data portals to assess Georgetown BID visitor and local resident demographics, transportation behavior, retail market performance, and office market performance.
- Automated the collection and visualization of bikeshare utilization data through JavaScript code which leveraged the Capital Bikeshare API endpoints and referenced the results into a Tableau dashboard.

- Designed, built, and launched Tableau dashboards to assess and visualize major financial trends in the Georgetown BID to contribute to economic development and COVID-19 recovery approaches.

Urban Institute, Office of Technology and Data Science, Washington, DC

Academic Intern, January 2020 – Present

- Compiled and synthesized case studies for a report on equity promises and Smart City technology programs and wrote a dozen memos assessing various Smart City and equity initiatives around the country.
- Contributed to the development of 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.

Truckee Meadows Regional Planning Agency, Reno, NV

Intern, January 2019 – August 2019

- Reviewed and edited the Truckee Meadows Regional Plan update's draft policies.
- Represented the agency at regional planning meetings and oversaw the clerking responsibilities of managing commission meetings and facilitating public comment forums.

The Lockard Group, Carson City, NV

Legislative Assistant, February 2019 – June 2019

- Developed and carried out a legislative agenda by lobbying lawmakers, analyzing legislation, suggesting amendments, providing testimony, tracking bills, and writing reports.
- Built a broad legislative coalition through strategic partnerships with community groups in the nonprofit, for profit, and governmental sectors to advance the legislative priorities of the SEIU Local 1107 and the Nevada Women's Lobby.
- Successfully lobbied for hospital worker protections, eviction record sealing, affordable housing development streamlining, a low-income housing database, tenant protection laws, and legislation increasing state contributions to the Low-Income Housing Tax Credit fund.
- Coordinated the annual Grassroots Lobby Days for the Nevada Women's Lobby, with over 200 guests, panelists, and speakers from the Nevada State Legislature, including the Assembly Majority Floor Leader and the Senate Assistant Majority Leader.

CONTRIBUTIONS TO PUBLICATIONS:

Spatial Equity Data Tool: Measuring Disparities in Your City. Research by Ajjit Narayanan, Alena Stern, and Graham MacDonald. Contributed to research. Published September 2020.

Creating Equitable Technology Programs: A Guide for Cities. Authored by Alena Stern, Graham MacDonald, and Khuloud Odeh. Contributed to research. Published September 2020.

Who is Missing from Administrative Data? Authored with Amy O'Hara and Lahy Amman. Published August 2020.

Using Administrative Data for Economic Stimulus. Authored with Amy O'Hara. Published July 2020.

TECHNICAL SKILLS:

Spatial analysis and automation using ArcGIS Pro, R, and Python

Programming in web-based Python environments such as Colab and Jupyter Notebook

Data wrangling and analysis with R, Python, SPSS, Stata, and ArcGIS Arcade

Data visualization with Tableau, Mapbox, ArcGIS Pro, and R

Web design and documentation with RMarkdown, HTML/CSS, WordPress, and Google Sites

3D modeling in Sketchup and ArcGIS Urban

Video editing and animation with Adobe Premiere Pro and After Effects

Web app development with Microsoft PowerApps and ArcGIS Web Apps

Academic research organization and formatting using Zotero, BibTeX, and LaTeX

Conversational in American Sign Language