Izzy Youngs

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Summary:

I am an experienced professional in data analysis and political advocacy, and I am eager to apply this background to support public sector management of infrastructure such as transportation and housing.

Education:

Georgetown University, Washington, DC
MPS summa cum laude in Urban and Regional Planning, August 2021

University of Nevada, Reno
BA cum laude in Political Science and Communication Studies, Fall 2016

Professional Experience:

Georgetown University, Massive Data Institute, Washington, DC
Research Specialist, August 2019 – Present
- Managed grant deliverables related to data governance, administrative data linkage, population estimates methodology, and the 2020 census, including blog posts, dashboards, and code.
- Consulted local government officials on strategies related to population measurement modeling, data governance, and administrative data linkage.
- Served as the lead for reviewing applications and hiring, onboarding, and supervising over one dozen research assistants for the unit.

Georgetown University, Global Cities Initiative, Washington, DC
Graduate Fellow, January 2021 – June 2021
- 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.
- Performed a conditions assessment to identify the major opportunities for Georgetown to expand their support of spatial analysis and thinking.
- Authored a report on the obstacles and opportunities for expanding the use of GIS across the Georgetown campus based on conditions assessment and stakeholder engagement.

Georgetown Business Improvement District, Washington, DC
Data Science Intern, May 2020 – July 2020
- Analyzed location data and various demographic and business data from open data sources to assess Georgetown's retail and office market performance as well as visitor and local resident transportation behavior.
- Automated the collection and visualization of bikeshare utilization data 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 – May 2020
- 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
- Contributed to the Truckee Meadows Regional Plan update's draft policies.
- Represented the agency at regional planning meetings, oversaw the clerking responsibilities for commission meetings, and facilitated public comment forums.

The Lockard Group, Carson City, NV
Legislative Assistant, February 2019 – June 2019
- Developed and carried out a legislative agenda by lobbying state lawmakers, analyzing legislation, suggesting amendments, providing testimony, tracking bills, and writing reports.
- Built a broad legislative coalition through strategic partnerships to advance the legislative priorities of clients, including 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.

HONORS AND AWARDS:
Chair, 2020-2021 Graduate Planning Society, Georgetown University Urban and Regional Planning
Awardee, 2021 Community Builder Award, Georgetown University Urban and Regional Planning
Awardee, 2020 Geospatial Prize, Georgetown University Urban and Regional Planning

TECHNICAL SKILLS:
Spatial analysis and automation using ArcGIS Pro and R
Programming in web-based environments such as Colab and Jupyter Notebook
Data wrangling and analysis with R (tidyverse framework)
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
Academic research organization and formatting using Zotero, BibTeX, and LaTeX
Conversational in American Sign Language