

Education

Brown University

- Providence, RI; expected graduation: May 2018
 - A.B. Applied Mathematics, A.B. Urban Studies; GPA: 4.0/4.0
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Professional Analytics Experience

The Providence Plan, Data Analyst Intern

Providence, RI — fall 2016

- Consult on 4 statistical computing and analysis projects for the Department of Labor and Training, National Institute of Justice, and the RI Office of Postsecondary Education
- Manage and perform statistical analysis for 5 statewide workforce and education datasets of over 20 million records in Python and SPSS
- Perform data management and visualization to produce information services from statewide datasets, to support 2 policy reports on RI food policy and RI employment outcomes

Rhode Island Division of Planning, GIS Intern

Providence, RI — summer 2016

- Wrote a technical report on multivariate statistical modeling with GIS to track land cover trends for 5-year updates of the statewide land use and long-range transportation plans
 - Selected to present findings from the technical report to all 40 members of the RI Statewide Planning Council and publish research to the general public
 - Scripted an ArcGIS geoprocessing tool in ArcPy to automatically map the future land use plans of RI's 39 municipalities to keep track of municipal land use updates and save over 100 hours of work per update
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Technical Communications Experience

Better World by Design, Communications Coordinator

Providence, RI — 2015-current

- Lead the communications team on the planning committee for the ninth Better World by Design conference, a student-lead design conference with over 700 attendees from 4 countries
 - Manage working relationships with 5 professional design and engineer organizations, and use communication and analytics tools to increase our network in the professional community by 20%
 - Develop analytics reports with Hootsuite and Python to increase the reach our content by 25% and increase our online community by 400 members
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Academic Research Experience

Brown University Urban Studies Program, Research Assistant

Providence, RI — 2015-current

- Design research methods to model gentrification trends in Los Angeles with statistical computing in ArcGIS and Python
 - Develop an ArcGIS geoprocessing tool to synthesize 2 or more polygon features into Census-designated boundaries, and scripted an open source version of the tool in Python
 - Build 2 regression models to analyze crime patterns over 30 years in Providence and Los Angeles using REST APIs for data management and Python for processing and analysis
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Skills and Interests

- I love: public speaking, technical writing, Python, ArcGIS, APIs, Tableau, SPSS, and Excel
- I'm a passionate beginner with: web maps, Unix/Linux, MATLAB, and juggling
- I'm also an: aspiring soccer player, blogger, and amateur competitive eater