Jack Lundquist

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https://jack-lundquist.github.io/portfolio/

Education

Master of Science, New York University's Center for Urban Science + Progress [2017-2018 expected]

NYU CUSP Merit Scholar **(GPA: 3.9)**

Bachelor of Science, Stanford University [2014-2017]

Environmental Systems Engineering, Urban Track **(GPA: 3.7)**

Work Experience

- Intern, Executive Research Department, NY State Office of the Attorney General [Summer 2018 – Present]
- Civic Analytics Graduate Fellow, Urban Intelligence Lab [Fall 2017 – Present]
- Teaching + Research Assistant, Sustainable Urban Systems Initiative [Summer 2016 – Summer 2017]
- Resilience Intern, City of Oakland [Summer 2015]

Course Projects

- Program Analysis: Los Angeles County's Flexible Housing Subsidy Pool [Spring 2018 – Present]
- CUSP Capstone: Digital Traces of Predatory Landlord Activity [Winter 2018 – Present]
- Assessing Racial Discrimination in Traffic Stops Across Texas [Winter 2018 – Present]
- The Affordable Housing Opportunity Index [Fall 2017 – Spring 2018]
- Researcher + Designer, City of San Jose (Sustainable Urban Systems Project) [Fall 2015 – Spring 2016]
- Social Media Strategist, Faith in Action Bay Area (URBANST 141) [Spring 2016]
- Communications Consultant, Government of Indonesia (GEOPHYS 160) [Winter 2015-2016]

Publications

- Applications of Machine Learning Methods to Predict Readmission and Length-of-Stay for Homeless Families: The Case of Win Shelters in New York City (Journal of Technology in Human Services, 2018)

Honors and Distinctions

- Recipient of the MacArthur Foundation Civic Analytics Graduate Student Fellowship
- NYU CUSP Merit Scholar
- Speaker and moderator, Applied Urban Science Group
- Organized and facilitated the 2017 Sustainable Urban Systems Symposium and two Smart Cities NYC workshops (2017 and 2018)
- Founding contributor, data.tale()

Skills

- Statistical analysis: regression, clustering, random forests, time series analysis, geospatial analysis
- Data visualization and web design
- Data integration and management
- Remote sensing
- Analysis and evaluation of municipal programs and policies
- Multimedia communication of technical research in urban planning, social services and criminal justice
- Programming languages: Python, R, SQL, Javascript, HTML, CSS, Leaflet, ArcGIS, CARTO, Excel