

# EVAN MISSHULA

<http://Misshula.org>

EMisshula@jjay.cuny.edu

(917) 975-7039

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## SUMMARY OF QUALIFICATIONS

I have published original research in four areas of statistics including machine learning, time series, social networks and spatial statistics. Additionally, I have fluency in web application development, operating systems security including penetration testing and interactive data visualization.

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## EDUCATION

**PhD Criminal Justice (ABD)** *August 2015 (expected)*  
*City University of New York, New York, NY*

**BS Applied Math (Operations Research) and BA Economics & Mathematics** *May 1988*  
*Yale University, New Haven, CT*

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## SELECTED PUBLICATIONS

“A Reexamination of Connectivity Trends via Exponential Random Graph Modeling in Two IDU Risk Networks,” in *Substance use & misuse*. 2013.

“Network sampling of social divisions in a rural inuit community,” in *Identities*. 2012.

“Estimating the Size of the Methamphetamine-Using Population in New York City Using Network Sampling Techniques,” in *Adv. in Applied Sociology*. 2012.

“Dynamics of Methamphetamine Markets in New York City,” in *Final Technical Report to the National Institute of Justice*. 2011.

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## CAREER HISTORY

**Statistical Analyst, CUNY John Jay Research & Evaluation** *July 2012 - Present*

- Responsible for designing statistical tests for a wide variety of projects
- Created web mapping tools using d3, TileMill and Leaflet
- Evaluated anti-violence program using DiD and spatial statistics

**Data Science for Social Good, University of Chicago** *Summer 2013*

- Developed neighborhood and property analytics software for Cook County Landbank delivered as a Django/Python application
- Integrated mapping, economic and demographic data

**RF CUNY, CUNY** *February 2010 - May 2013*

- Conducted original research on public health and criminal justice issues including prison simulation, suicide, domestic violence supported by NIH and NSF.
- Conducted original research on detecting causal relations supported by CUNY Advanced Research Collaborative.

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## SKILLS

**Languages:** R, Python, JavaScript, L<sup>A</sup>T<sub>E</sub>X, Ruby, Swift, C, C++, Java

**Libraries:** D3.js, Leaflet.js, ggplot2, Django, Rails, Postgres, Pig, Hadoop

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## AWARDS AND HONORS

**Fellow, Insight Data Science** *Summer 2015*

**CUNY GC Digital Fellow, CUNY Graduate Center** *2014 -2016*

**Provost's Digital Initiative grant winner, CUNY Graduate Center** *2013 -2014*

**Steven and Elly Hammerman ethics across the curriculum, CUNY John Jay** *2012*

**US Cyberchallenge student fellow, Eastern Regional Camp (Virginia)** *2011 & 2012*

**DHS Data Science Summer fellow, Univ of Illinois, Urbanana-Champaigne** *2010*

**PhD fellowship, CUNY John Jay** *2009 - 2014*

**Sunshine Scholarship, College Initiative** *2009 - 2014*