Evan Misshula

Resume

"When in doubt, use brute force." Ken Thompson, creator of Unix

Education

2009–2014 **PhD Criminal Justice (expected)**, *City University of New York*, New York.
Cousework included:
- Machine learning, pattern recognition, parallel programming, causality and observational data
- Secure operating systems, penetration testing
- Theory of loyalty, theory of punishment

Experience

2010–Present **Data Scientist**, JOHN JAY RESEARCH AND EVALUATION CENTER, New York, Responsible for statistical evaluation of program results..
Detailed achievements:
- Measured Propensity for violence in young men in neghborhoods of concentrated disadvantage funded by NYC Council.
- Created web mapping tools using d3, TileMill and Leaflet for anti-violence project funded by Robert Wood Johnson Foundation.
- Estimated prison populations using ARIMA and queuing theory funded by Pew Charitable Trust.

2013 **Fellow**, *Data Science for Social Good, University of Chicago*, Chicago, Developed real estate analysis system for the largest landbank in the United States..
Detailed achievements:
- Developed neighborhood and property analytics software for Cook County Landbank delivered as a Django python application.
- Integrated mapping, economic and demographic data to estimate future housing prices.

2010–2013 **Research Associate**, *CUNY Research Foundation*, NYC, Conducted original research in Criminal Justice and Computer Science..
Detailed achievements:
- 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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additional information

2009 **Data Science Summer Fellow**, *University of Illinois Urbana-Champaigne*, Urbana,
Applied machine learning to the safe routing problem..
Detailed achievements:
○ Worked on a Web and iPhone Application for crime mapping and safe routing.
○ Funded by the US Department of Homeland Security.

Publications

2013 **Out on the land: income, subsistence activities, and food sharing networks
in Nain, Labrador**, *Journal of Anthropology*.
.

2013 **A Reexamination of Connectivity Trends via Exponential Random Graph
Modeling in Two IDU Risk Networks**, *Substance Use & Misuse*.
.

2012 **Kinship, family, and exchange in a labrador inuit community**, *Arctic Anthro-
pology*, 50.1, pp 89-104.
.

2012 **Assessing respondent driven sampling for network studies in ethnographic
contexts**, *Advances in Anthropology*, 3, p 1.
.

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

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

Computer skills

Compiled Languages	C, C++, Java
Scripted Languages	R, Python, JavaScript, LaTeX, Ruby, PHP, SPSS
Web Application Frameworks	Django, Rails, Pelican, Jekyll
Webservers	Apache, Nginx
Web Testing Frameworks	Samurai-WTF, Metasploit
Network Defense	Snort, Splunk
GIS	Qgis, D3.js, Leaflet.js, gdal, proj4, postgis, Tilemill
Databases	Postgres, MySQL

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Data Visualization	D3, ggplot2, matplotlib
Operating systems	Linux, Windows, OS X
Literate Programming	Org-mode, Sweave, Knitr

Awards

2014-2015	CUNY GC Digital Fellow
2013-2014	Provost's Digital Initiative grant winner, CUNY Graduate Center
2012	Steven and Elly Hammerman ethics across the curriculum, CUNY John Jay
2011 & 2012	US Cyberchallenge student fellow, Eastern Regional Camp (Virginia)
2009-2014	PhD fellowship, CUNY John Jay
2009-2014	Sunshine Scholarship, College Initiative

Languages

English	**Mothertongue**	
Spanish	**Intermediate**	*Conversationally fluent*

Interests

- Volunteering
- Social justice
- Economic mobility