

# LUCIE PARKER

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## EDUCATION

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### Georgetown University

Bachelor of Science, *magna cum laude*

Double Major in Mathematics and Economics

May 2013

Washington, D.C.

## EXPERIENCE

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### University of Chicago Crime Lab

Senior Research Analyst

Oct. 2014 – Present

New York, NY

- Evaluated and co-authored manuscript on first randomized controlled trial on effect of street lighting on crime, involving joining several administrative data sets, conducting spatial analysis, and producing final manuscript using R Markdown
- Assisted in production of predictive tool on domestic violence risk using machine learning and natural language processing techniques
- Contributed to research design development—including performing simulation-based power analyses and visualizing data—for RCTs and other quasi-experimental interventions
- Developed internal R package to maintain up-to-date public data access, perform spatial analyses, and produce choropleth maps

### The Hamilton Project, Brookings Institution

Research Assistant

June 2013 – Sept. 2014

Washington, DC

- Compiled and analyzed data on taxes, employment, and demographics
- Co-authored two sets of economic facts on low-income families and crime and incarceration
- Coordinated and executed production and publication of policy proposals written by outside academics and policy analysts on a variety of domestic policy issues

### Georgetown Initiative on Innovation, Development and Evaluation

Research Assistant

Feb. 2012 – May 2013

Nairobi, Kenya

- Conducted field research and performed data analysis for randomized controlled trial on financial literacy
- Held focus groups and developed survey questions for randomized controlled trial on maternal health

## PUBLICATIONS

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"Reducing Crime Through Environmental Design: Evidence from a Randomized Experiment of Street Lighting in New York City." 2019. NBER Working Paper 25798. (with Aaron Chalfin, Ben Hansen, and Jason Lerner)

"Ten Economic Facts about Crime and Incarceration in the United States." 2014. (with Melissa Kearney, Benjamin Harris, and Elisa Jácome)

"A Dozen Facts about America's Struggling Lower-Middle Class." 2013. (with Melissa Kearney, Benjamin Harris, and Elisa Jácome)

## TECHNICAL SKILLS

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### Programming

R, Stata

### Software & Tools

Git, Make, R Markdown, Socrata, ArcGIS/QGIS, LaTeX, Excel