

## Data Science Intern (Summer Internship)

### Who We Are

**Crime Lab New York** seeks to improve our understanding of how to reduce crime and violence by helping government agencies and non-profit organizations rigorously evaluate promising policies and interventions to make them as informative as possible. We do this in a variety of ways. Our team is developing a portfolio of randomized controlled trials (RCTs) to generate new evidence about what works, for whom, and why, and to conduct benefit-cost analyses of different interventions to enable policymakers to prioritize resources for the combination of strategies that achieve the greatest social good per dollar spent. Crime Lab New York also develops predictive tools that leverage insights from computer science and machine learning to better allocate resources city-wide. We evaluate ways to help make the criminal justice system more effective and fair, while also identifying tools from social policy, education, and behavioral economics to prevent crime from happening in the first place and to improve outcomes for the most disadvantaged populations.

Located in downtown New York City close to City Hall, Crime Lab New York also provides extensive pro bono technical assistance to government agencies looking for rigorous data analysis and research support. The nature of our work as partners with city agencies requires adjusting to the pace of policymakers' work. Although this way of working is atypical for most research organizations, it gives us an unprecedented opportunity to partner with policymakers to help them maximize the positive impact of policies and programs that can improve lives.

Crime Lab New York is part of the University of Chicago's Urban Labs, a set of highly synergistic labs focused on undertaking inquiry and having impact on five essential dimensions of urban life: crime, education, health, poverty, and energy & environment. To learn more about Crime Lab New York, visit: <https://urbanlabs.uchicago.edu/labs/crime-new-york>.

### Role

The data science research assistant intern will be working under the guidance of the research staff on building, implementing, and evaluating predictive models. Day to day work will consist of collecting and organizing different datasets, deriving summary statistics of those datasets, and helping to implement machine learning models. The intern will explore existing social policies to guide the research efforts, and may work on preparation of work products for dissemination (report formatting and writing). This is a great opportunity to see how predictive analytics impact public policy, to gain a deeper understanding of policy research, and to develop research skills. This internship is a full-time opportunity during the summer (generally 10 weeks).

### Experience and Qualifications

- Coursework in computer science, statistics, applied mathematics, or a related field required.
- Intermediate statistical data analysis skills, with the ability to use Python or R, are strongly preferred

- Interest in and aptitude for developing advanced programming and analytic skills for working with administrative data
- Experience with collecting data from public APIs and working with messy data sets is a plus.
- Experience or knowledge of urban policy/criminal justice issues a plus
- Strong attention to detail with good organization skills required
- Self-motivated; ability to work independently and manage ongoing tasks on tight timelines
- Responsive to email
- Strong oral and written communication skills
- Ability to work well with research teams in a collaborative environment

### **To Apply**

Submit resume, cover letter, coding sample, and transcripts to Workday system, requisition **JR00677**.

**If you have questions about the Workday application system**, please contact:

[https://uchicago.service-now.com/sso?id=ssc\\_sc\\_cat\\_item&sys\\_id=cf359d671316660030c0bcaf3244b02d](https://uchicago.service-now.com/sso?id=ssc_sc_cat_item&sys_id=cf359d671316660030c0bcaf3244b02d).

**If you have an active UChicago Workday employee account, you will need to complete the Internal Candidate application process. Internal Candidate instructions:** [Log into Workday](#) and select the career worklet.

**External Candidates** should apply to the specific Lab(s) at <https://uchicago.wd5.myworkdayjobs.com/en-US/External>

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