Position: Summer Data Scientist (Summer Internship)
Location: New York City, NY
Status: Full-time

The Role: The New York office of the Crime Lab and Education Lab is seeking a full-time Summer Intern with strong statistical data analysis skills and the ability to use Python or R.

The Summer Data Scientist will support large-scale criminal justice and education projects that rigorously research ways to prevent crime, increase fairness, and improve outcomes for all New Yorkers. Working in close coordination with Crime and Education Lab’s Senior Data Scientists and Research Analysts, the Summer Data Scientist will assist on large-scale research projects involving data engineering, machine learning, and causal inference. Applicants with a preference between machine learning and causal inference projects should indicate their preference in the cover letter of their application.

Examples of our past projects in New York City include using machine learning methods to build an algorithmic decision aid for judges, a randomized controlled trial to test the effects of streetlights on crime, and a randomized controlled trial of behavioral science interventions to improve defendant attendance at court appearances for low-level offenses. This position offers opportunities to work directly with leading social policy researchers and government agency staff.

Duties and Responsibilities:
- Cleaning and restructuring different datasets
- Performing statistical analysis on those datasets
- Helping to build, implement, and evaluate machine learning models
- Exploring existing social policies to guide the research efforts
- Writing, formatting, and editing reports
- Other duties as assigned

Competencies:
- Intermediate statistical data analysis skills with the ability to use Python or R
- Aptitude for developing advanced programming and analytic skills for working with administrative data
- Strong attention to detail with good organization skills
- 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
- Ability to work discretely with sensitive and confidential data

Education and Experience:
- Coursework in computer science, statistics, applied mathematics, or a related field required
- A Bachelor’s or Master’s degree (or significant progress towards a degree) in data science or social science (e.g. economics, public policy, or statistics) preferred
- Experience or knowledge of urban policy and criminal justice issues preferred
- Experience working with messy data sets preferred
- Experience with version control (e.g. GitHub or GitLab) preferred
Crime Lab and Education Lab New York (CLNY) is an independent, non-profit research center of the University of Chicago committed to using science to help cities improve the quality of urban life. We gather national experts who span disciplines to develop data-driven approaches and generate rigorous, objective, scientific evidence about what works in reducing crime and addressing critical problems facing society. Crime Lab partners with city agencies, civic organizations and others and use data to identify, develop and evaluate interventions that can be measured and replicated. Our work employs innovations in natural experimentation, randomized controlled trials, behavioral economics, and predictive analytics. We use these tools to help policymakers identify and target interventions, make the best use of public resources, and benefit New York’s most disadvantaged citizens.

Crime Lab New York regularly seeks out passionate, public service-minded individuals to join our team. Crime Lab employees are committed to creating a collaborative, fast-paced and high-energy office that is open and welcoming to individuals of all backgrounds and life experiences. We prioritize developing a workforce that is as diverse as the city in which we work.

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. For more information about the Crime Lab New York, please visit: www.crimelabnewyork.org.

To Apply:
Applicants must submit the following documents to UChicago’s Workday System (NOTE: When applying, all required documents MUST be uploaded under the Resume/CV section of the application):
- Resume/CV
- Cover Letter
- Code Sample in Python or R (a school project is acceptable, but no problem sets or Jupyter notebooks please)
- Unofficial Transcript

Please apply by March 1, 2020. Applicants will be contacted in the week beginning March 9.

To apply, search for requisition JR07835 on UChicago’s Workday System (please note that the job description may appear different on Workday). External Candidates should apply at https://uchicago.wd5.myworkdayjobs.com/en-US/External. If you have an active UChicago Workday employee account, you will need to complete the Internal Candidate application process (log into Workday and select the career worklet).

If you have questions about the Workday application system, please contact: https://uchicago.service-now.com/sso?id=ssc_sc_cat_item&sys_id=cf359d671316660030c0bca3244b02d.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran status or status as an individual with disability. The University of Chicago is an Affirmative Action / Equal Opportunity / Disabled / Veterans Employer.

Job seekers in need of a reasonable accommodation to complete the application process may contact the Shared Services Office by calling 773-702-5800 or by emailing sharedservices@uchicago.edu with their request.