

Connor Concannon

Data Science Leader and PhD Candidate

Astoria, NY 11103

✉ connor.concannon@gmail.com ☎ +1 630 408 1803 🔗 [concannon](#)

SKILLS & TOOLS

Data science, machine learning, natural language processing, supervised learning techniques, unsupervised learning, business intelligence, time series analysis, and program evaluation

R, Python, Linux, SQL, MongoDB, Git, Shiny Server, Scikit-learn, Spark, Keras, XGBoost, RMarkdown, Docker, Apache NiFi, Apache Airflow, DigitalOcean, Leaflet, Django, Tableau, Analysis Services, STATA, and SPSS

EMPLOYMENT

New York County District Attorney's Office

Deputy Director of Innovation

2017-Present

- Build enterprise web applications to analyze millions of phone call and social media records, which results in saving thousands of dollars, meeting legal obligations, and making analytical processes more efficient.
- Use machine learning techniques to quantify disparity in decision-making and support policy changes, resulting in significant reduction in use of pretrial detention.
- Use natural language processing to surface relevant documents for review and prioritize workload.
- Presented on data-driven prosecution to dozens of law enforcement groups and at open-source conferences.

Deputy Director of Analytics

2015-2017

- Deployed a machine learning model that predicted defendant risk levels that resulted in significant decreases in agency caseload and pretrial detention.
- Managed a team of analysts responsible for delivering high-quality business intelligence solutions and analyses in a fast paced environment.
- Maintained extensive ETL pipelines to support timely and accurate analysis of agency data.
- Commissioned academic research around agency policy priorities, resulting in multiple publications and replications.

Supervisory Policy Analyst

2012-2015

- Designed and built data warehouse of all agency data to enable accurate, real-time reporting and analysis.
- Developed business intelligence solutions, ad-hoc analyses, and presented results to executive staff, which informed policy-making and daily operations.

Self Employed

Statistical Consultant

2014-Present

- Support local and national risk assessment and program evaluation projects through data engineering pipelines.

Illinois Department of Juvenile Justice

Research Analyst

2010-2012

- Designed, executed, and delivered evaluation of a treatment program to determine efficacy and inform future implementation strategy.

EDUCATION

CUNY Graduate Center, Ph.D. Criminal Justice

ABD, expected 2019

Loyola University Chicago, M.A. Criminal Justice Research

2012

Marquette University, B.A. Sociology

2007