

YIDA WANG

CONTACT



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Website:
<https://yidawang.ca/>

TECHNICAL SKILLS

Tableau/ Tableau Prep
R
PowerBI
QGIS
Mapbox
Data collection & integration
Policy & data analysis
Quantitative & qualitative research

SOFT SKILLS

English (native)
Mandarin Chinese (professional)
Public speaking
Technical training
Project & people management

EDUCATION

University of Pennsylvania – May 2016

Master of Science: Criminology
(concentration in policy) GPA: 3.71

University of Toronto – June 2015

Bachelor of Arts (Hons): Sociology
& Criminology

WORK EXPERIENCE

Statistician (Business Management)

Ontario Provincial Police – Ministry of the Solicitor General, Ontario

📅 July 2021 – Present

- Leading several BI projects to reduce reporting time by up to 75%, including dashboard automation, drafting SOP, and converting Excel reports to PowerBI
- Providing 8+ ad hoc and recurring data analysis per week for other departments and government agencies using PowerBI, SAS, SQL, and Cognos Analytics
- Building and updating dozens of queries and workflows to answer data inquiries relating to operations, personnel, drug use, crime, and traffic
- Facilitating as data liaison with internal and external stakeholders, as well as liaising with software vendors to troubleshoot issues and improve UX
- Serving on the Bureau Liaison Panel dedicated to improving the employee experience, organizing town halls, and streamlining communications

Project Manager

Crime & Education Lab (University of Chicago), Chicago

📅 June 2020 – December 2020

- Coordinated a federally mandated police reform and organizational change project for the 2nd largest police department in North America with an interdisciplinary team of data scientists, consultants, and analysts
- Executed and expanded a \$6 million initiative to implement advanced policing tools and technologies in 3 Chicago Police districts
- Leveraged evidence-based public safety strategies and policies to help reduce crimes in Chicago by 17% (according to 3rd party evaluations)
- Prepared data visualizations, statistics, memos, and presentations for grant proposals to help secure over \$10 million in grants from donors

Embedded Research Analyst

Crime & Education Lab (University of Chicago), Chicago

📅 June 2018 – June 2020

Role within the Chicago Police Department (CPD):

- Spearheaded the first project collaborations with 3 new government partners
- Advised District Commanders and Deputy Chiefs on crime reduction initiatives, as well as identified and resolved operational challenges using confidential law enforcement/ public health data
- Delivered 12 interactive dashboards using crime and traffic data to provide complex strategic planning solutions for senior CPD command
- Served as project lead on 2 annual city-wide crime & personnel evaluations

Role within Office of the Mayor – City of Chicago:

- Collaborated with stakeholders to deliver Chicago's first public dashboard to address the socio-economic impact of crime for 10+ city agencies
- Generated 2 statistical briefs per month analyzing violent crimes in Chicago and presented the results at bi-weekly meetings for a wide range of stakeholders, including local, state, and federal agencies, hospitals, and outreach groups
- Attended weekly meetings at City Hall to discuss critical public safety issues and develop strategic policy recommendations
- Conducted community analysis for Chicago Alderman (City Council) to identify key crime hotspots and formulate strategic resource allocation plan

Role within the University of Chicago (Crime Lab)

- Evaluated policy and legislative impact on narcotics related crimes for the Cook County State's Attorney's Office
- Cultivated relationships and liaised with 13 different partner organizations: CTA (Chicago Transit Authority), FBI, ATF, Chicago Mayor's office, Cook County State's Attorney's Office, grassroots organizations, and NGOs
- Presented innovative data visualizations and new approaches to smart policing using Tableau dashboards during the Crime Fighters Conference Chicago 2018 before an audience from 25+ law enforcement agencies

Senior Market Researcher**Explorer Research, Toronto ON**

📅 September 2016 – June 2018

- Created actionable recommendations from research driven results which accounted for 5-10% increase in sales for Fortune 500 clients
- Traveled internationally to lead field studies and provide technical training for over 20 interviewers and research assistants
- Collaborated with senior management to create experimental designs and templates for over 30 studies

Research Assistant**Quattrone Center (University of Pennsylvania Law School)**

📅 November 2015 – March 2016

- Gathered data on street and prison gangs in Florida through court and police files
- Examined how the criminal justice system responds to prison gangs
- Analyzed prison gang activities and behaviors

Research Assistant**University of Toronto**

📅 May 2015 – July 2015

PI: Professor Jooyoung Lee

- Processed over 30 CCTV video footages
- Utilized numerical and categorical variables to create research templates for video coding
- Conducted comparative analysis of different research methodologies
- Demonstrated high self motivation and self management by attending bi-weekly team meetings to present ideas and update team on research progress

Research Assistant**University of Toronto**

📅 April 2015 – July 2015

PI: Dr. Sasha Reid

- Created 25 profiles of serial killers for an independent research paper seeking to discuss the evolution of the concept of serial homicide throughout history
- Utilized variety of databases to effectively create and compile comprehensive profiles of serial killers
- Displayed strong ability in time management by consistently meeting deadlines

