Sean Connelly

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WORK & LEADERSHIP EXPERIENCE

NATHALIE P. VOORHEES CENTER FOR NEIGHBORHOOD AND COMMUNITY IMPROVEMENT   CHICAGO, IL

Research Specialist   Aug 2018 – Present

- Developed [one-pager infographics for 264 occupations in the green economy](#), summarizing information for over 1 million workers in the Chicago region on technologies, certifications, economic data, and the main tasks associated with the job.
- Led data analysis and visualization as a member of the interagency task force that developed [Home Illinois, Illinois' Plan to Prevent and End Homelessness](#).
- Built a mapping website, the Calumet Reinvestment Mapping Tool ([CRMT Site](#) and [Chicago Sun-Times](#)), with QGIS and Leaflet to support the Calumet Collaborative in putting underutilized sites across the region back into productive reuse.
- Constructed a SQL database to expedite supply chain analysis for defense contracts within the Illinois Defense Network (IDN) as part of a $2.4 million grant awarded by the U.S. Department of Defense.

SB FRIEDMAN DEVELOPMENT ADVISORS   CHICAGO, IL

Graduate Intern (30 hours per week)   May 2019 – Aug 2019

- Completed East Garfield Park Housing Survey of over 900 structures and compiled findings to guide recommendations for using city-owned land to build affordable housing.

NEW YORK COUNTY DISTRICT ATTORNEY'S OFFICE (DANY)   NEW YORK, NY

Senior Policy and Planning Analyst   Jun 2016 – Aug 2018

- Conducted data analysis in R during formulation of Office's Farebeat Decline-to-Prosecute policy. Found that most defendants were low-risk and transit arrests rarely unearthed serious criminal activity. New guidelines prevented additional 8,000 cases a year from entering criminal justice system.

EDUCATION

UNIVERSITY OF ILLINOIS AT CHICAGO – COLLEGE OF URBAN PLANNING AND PUBLIC AFFAIRS   CHICAGO, IL

Master of Urban Planning and Policy   Aug 2018 – May 2020

- **Cumulative GPA:** 3.82 / 4.00
- **Relevant Coursework:**
  - Studied intersection of housing and transit with courses in development finance, urban transportation, and economic development, culminating in the development of the [East Garfield Park Housing Plan](#).
  - Lead author of the [31st Street Complete Streets Plan](#), spearheaded traffic crash analysis and recommended strategies along the corridor.
  - Visualized of land use, zoning, and transportation data for the [Western/Ogden Industrial Corridor Modernization Plan](#). One of the main contributors to plan layout and design.

BOSTON COLLEGE – MORRISSEY COLLEGE OF ARTS AND SCIENCES   CHESTNUT HILL, MA

B.A. in Economics, Cum Laude   Sep 2012 – May 2016

- **Cumulative GPA:** 3.72 / 4.00
- **Relevant Coursework:**
  - Strengthened technical ability with courses in econometrics, linear algebra, and probability.
  - Explored income and wealth inequality in the London School of Economics' General Course program.

SKILLS

- **GIS, Data, and Visualization:** Esri ArcGIS, QGIS, R graphics and spatial packages, Adobe Creative Cloud
  - **Sample Work:** [15 Minute City in Chicago Spatial Analysis](#), [SB 827 in New York City](#)
- **Database Management:** Microsoft SQL Server, pgAdmin, MongoDB, Microsoft Access
- **Languages:** R, SQL, Python, HTML, CSS, JavaScript
- **Productivity and Business:** Microsoft Office suite, GitHub