

ABOUT ME

Researcher and data analyst with background in applied occupational and industry research as well as demographic and public policy analysis. Passionate about using data to deepen understanding of the interplay of economic, ecological, and community systems in cities and regions. Experienced in the use of various analytics methods and interested in further developing both technical aptitude and subject matter knowledge about sustainability, community development and related topics.

CONTACT

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Nashville, TN

[LinkedIn](#)

[GitHub](#)

[Tableau Public](#)

RELEVANT SKILLS

Excel (Power Pivot)

Tableau

PowerBI

SQL (PostgreSQL)

Python (Pandas, Matplotlib, Seaborn, Geopandas)

Jupyter Notebooks

Public Speaking

Project Management

Qualtrics & Survey Methods

Agile & Kanban

ArcGIS Software

Map Production

EXPERIENCE

Nashville Software School, Nashville TN | January 2021 - Present  
Data Analytics Apprentice

The NSS Data Analytics school is an intensive five month program covering skills in advanced Excel, PostgreSQL, PowerBI, Tableau, GitHub, Python, and Agile processes. This program focuses on using real-time data to create analyses that mirror current needs of analytics employers.

- [Short Term Rentals in Nashville Council Districts](#) | Geospatial analysis of short term rentals in Nashville. Examines where investment from outside the State, city, and respective zip code is prevalent. Technologies used: GeoPandas, Folium.
- [Energy Consumption, Generation, and Access Over Time](#) | Tableau visualization of global electricity access, energy consumption, and energy generation over multiple decades. Energy consumption and generation is broken out twice: by high level sources including renewables, nuclear, and fossil fuels, as well as popular renewable modes including wind and solar.
- [Commercial Permitting](#) | Geospatial analysis of commercial permit applications in the Nashville Central Business Improvement Districts. Technologies used: GeoPandas, Folium.

Nashville Area Chamber of Commerce, Nashville TN | November 2018 - December 2020  
Research Coordinator and Analyst

The Research Center at the Nashville Chamber acts as data and analytics resource internally, to business members of the organization, and to the regional community. Expertise areas include economic, workforce, and community development.

- [2020 Music Industry Report](#) | Report providing market research on the music industry leading up to and during COVID-19. Led a team conducting over 100 stakeholder interviews, multiple focus groups, and distributed surveys retrieving real-time workforce information receiving over 2,500 responses. In order to determine the economic impact of music related business activity for benchmarking, staffing matrices were utilized to determine areas of employment that are not captured in many impact reports such as music venue employment.
- [2020 Workforce Study](#) | Study identifying opportunity pathways to connect workers in the Middle Tennessee region to training, credentials, and degrees. The work, done in conjunction with the Northern Middle Tennessee Local Workforce Development Board, provides groundwork for collaboration among policy makers, educators, talent and economic development professionals, employers and researchers.
- [Vital Signs 2019](#) | This report provides regional indicators pertaining to the economy, the workforce, and the community. In 2019 I assisted with distribution and data cleaning for a regional survey of residents receiving over 4,000 responses.
- [Data Visualizations](#) | Utilized Census Bureau, Bureau of Labor Statistics, and Vital Signs 2019 Survey data to create Tableau dashboards bringing in-house data visualization capacity to the Research Center.

Environmental Law & Policy Center, Chicago IL | January - June 2018  
Policy Intern

ELPC is the leading environmental advocacy organization in the Midwest United States.

- [School Bus Electrification](#) | Research and advocacy supporting school bus electrification in 9 Midwestern states related to Volkswagen settlement funds. This work consisted of research on the impact of other funding proposals, notable funding of passenger rail modernization. Ultimately, 10% of funding was allocated for electric school buses.
- [Solar Capacity Mapping](#) | Tracking and mapping of state-wide solar speculation related to the Future Renewable Energy Jobs Act. I was responsible for monitoring and categorizing various publications for reports of prospective solar projects related to developing policy in order to garner understand the overall patterns of location type, capacity, and concentration of speculation so that the organization was able to develop comments and position on the policy.

## EXPERIENCE

### Seven Generations Ahead, Oak Park IL | August - December 2017

Solar Program Intern

SGA is a nonprofit whos mission is to develop ecologically sustainable and healthy communities.

- Solar Capacity | Measurement and consolidation of data on rooftop space to estimate potential community solar generation capacity from rooftops eligible for generation model incentives such as nonprofits, public schools, and affordable housing units.
- Policy Tracking| Kept organization up to date on developments in the State of Illinois on new energy policy.

### Cut Cats Courier Collective, Chicago IL | 2014 - 2018

Co-Owner and Operator

CCC specializes in bicycle delivery for contracted clients and is the largest service collective in the Midwest.

- Client Relationships | Built and maintained client relationships.
- Navigation, Routing, Delivery | Rapid navigation and delivery via bicycle.

## EDUCATION

### Nashville Software School | Expected Graduation May 2021

Full - Time Data Analytics Bootcamp

### DePaul University | Graduated June 2018

Masters in Sustainable Urban Development

Specialization: Renewable Energy Research & Advocacy, GIS

Chaddick Scholar: Chaddick Institute for Metropolitan Development

GPA 3.8/4.0

### DePaul University | Graduated June 2016

Bachelors in Physics, Interdisciplinary Concentration in Studio Art

Graduated Cum Laude

GPA 3.90/4.0

## COMMUNITY INVOLVEMENT

### Council Member, Healthy Nashville Leadership Council | 2018 - 2020

Served on council responsible for drawing attention to important public health problems and encouraging community-wide action through development of iterations of the Metro-Nashville Community Health Improvement Plan.

### Transit Citizen's Leadership Academy

The Transit Alliance of Middle Tennessee | Spring 2019

Course provides education about multimodal transit and the necessity of various transit options in the Middle Tennessee region.

### Tennessee Women in Green

Member | 2018 - Present

Membership organization connecting women who are committed to environmental sustainability.