

# MATTHEW G. HOCKERT

## Education

### *Master's of Science in Applied Economics*

Second year - University of Minnesota, Minneapolis, MN, September 2020 – Current

- Graduating in Spring 2022.
- Graduate minor in Data Science.
- Graduate thesis: quantifying the bottlenecks in the agri-food supply chain in Minnesota-Wisconsin to better understand the impacts of COVID-19.
- Coursework includes Ph.D. econometrics sequence, introduction to machine learning, principles of database systems, methods of economic analysis, economic data analysis for managerial and policy decisions, applied microeconomics, business and economic forecasting, and calculus I/II.
- Completed an independent study with a graduate peer using SAS to quantify the impact of government restrictions on consumer mobility using cell phone data from SafeGraph.
- Experience implementing Python, R, and SQL in an academic setting.

### *Bachelor of Arts in Economics and Political Science*

Graduated - University of Minnesota, Duluth, MN, May 2020

## PROFESSIONAL EXPERIENCE

### *Graduate Research Assistant (GRA)*

#### *Project: Foodshed - Agricultural Commodities*

University of Minnesota, Minneapolis, MN / September 2020 – Current

- Responsible for writing literature review for future publication.
- Examining the resiliency of the regional food systems during the COVID-19 Pandemic.
- Building a dataset to understand the trade-flow, production, and consumption of commodities within the supply chain related to the Minnesota-Wisconsin region.

### *Undergraduate Research Assistant*

Bureau of Business and Economic Research, Duluth, MN / September 2019–May 2020

- Collaborated on research projects; analyzed qualitative and quantitative data
- Generated spreadsheets and ran computer applications to perform statistical modeling and estimate regional economic output on IMPLAN, excel, and SPSS.
- Cleaned and interpreted results of survey data on Qualtrics and Excel.
- Prepared written publications and presentations.


### *Dispute Resolution Intern*

Better Business Bureau, Washington DC / June 2019 – July 2019

- Assisted with case closures and published complaints.
- Cleaned and organized BBB complaints database.
- Communicated with parties to facilitate a resolution.

## CONTACT INFORMATION

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 763-785-7058

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 [linkedin.com/in/matthewhockert](https://www.linkedin.com/in/matthewhockert)

 <https://github.com/MatthewHockert>

## HONORS AND AWARDS

- GPA: 3.7/4.0
- University Honors Program
- Dean's List / 2017 – 2020
- Cum laude
- Economic Department Honors
- Omicron Delta Epsilon

## TECHNICAL SKILLS

- Python
- R
- SQL
- Excel
- IMPLAN
- SPSS
- SAS
- EViews
- GAUSS
- Microsoft Suite

## Technical Experience

- Probit, logit, and linear regressions
- Qualitative, quantitative, panel, and time series data
- Random and fixed effects
- Difference-in-difference
- Forecasting
- Dimensionality Reduction
- Neural Networks
- Random Forests