# Cassandra Hamilton

Data Scientist

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*https://github.com/cassandrahamilton*

# EDUCATION

University of St Thomas, MN  *Degree expected May 2023*

Major: BS Data Analytics *(3rd year student, senior standing)*

Minors: Economics, Philosophy

* Aquinas Scholar (honors program), Deans list

# RESEARCH

DataCom 2022- Effect of Exercise on Mental Health- Used R to clean and analyze CDC BRFSS survey data. Specifically looked at a cohort of individuals who had easier access to exercise.

Madrid Digital Humanities Project- Inquiry of the connotations of different monikers for the city of Madrid using online posts. We used Python and AWS for data collection and text analysis.

Library location and inequality- Used the 2020 US Census data to look at the correlation of inequality statistics and distance from the nearest library in Minneapolis. Cleaned data in R and used ArcGIS for cartesian analysis. Further analysis: Use road/transit distance rather than straight line.

# WORK EXPERIENCE

Data Analytics Intern, Utilimarc *June 2022-Present*

* Data transformation using R and SQL to aggregate customer data to company database
* Benchmark analysis for fleet management; prep work for executive meetings with clients
* Ad Hoc reports using SQL, R, or Exploratory
* Created a program to automate yearly reports; saved over an hour per report

Research Assistant, University of St Thomas *September 2022-Present*

* Communicate with the research team and the developers to ensure the web scraper captures the desired data
* This is the Madrid Digital Humanities Project listed above

IT Support Technician, UST library *November 2021-Present*

* Collaborate with multiple levels of ITS to solve on campus technology problems
* Communicate with clients of all levels of tech experience to solve their problems

Intern, Insurance Agents Co Op *Summer 2021*

* Create queries in Excel and Access to manage the agent database
* Perform daily data entry tasks and provide assistance around the office

# SKILLS

* Python, Java, R (very proficient), SQL (proficient), VBA, JavaScript, SPSS, HTML
* Microsoft and Google Suites
  + Specifically: Excel, Access, and Power BI

## Leadership and Extracurricular Activities

**President, Academic Quiz Bowl**; I run bi-weekly meetings and coordinate events and tournaments

**Treasurer, Data Science & Analytics Club**; coordinate events and increase student engagement