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# Education

**Master of Public Policy -** *Humphrey School of Public Affairs* **Sept. 2015—Sept. 2017**

**Bachelor of Arts, Political Science -** *University of Minnesota*  **Sept. 2012 – Aug. 2016** *Analytics expert with 5 years of experience in scientific research and data analytics. Successful across a variety of domains including conducting mixed-methods consumer research to design the official Minnesota light rail system map and submitting health analytics dashboard to the LifeBridge Health Innovation Challenge, winning the grand prize of $50,000 and one-year membership to the Life Bridge Startup Affiliate Program. Skilled communicator with a passion for applying new technologies to uncover the power of data.*

# Work Experience

**Socially Determined Inc - Washington, DC Data Visualization Specialist 05.2018—Present**

* Over-delivered analytics project prompting client agreement to continuous As-a-service data support and analysis.
* Provide rapid turnaround analytics by efficiently translating business objectives into functional requirements.
* Provide end-to-end solutions using Python, R, and SQL to ETL, clean, and analyse client data.
* Wrangle and integrate disparate data sources: Census, healthcare claims, clinical, private 3rd-party, and surveys.
* Used Python for data analysis to provide recommendations for optimizing client’s proposed health initiative ROI.
* Lead live demos of complex data analysis and visualizations to clients and internal executives through Power BI.
* Combined clinical and 3rd-party vendor data to build machine learning models that predict childhood asthma.

**MN Department of Health - Saint Paul, MN Research Scientist 08.2017—05.2018**

* Collected data from public sources (Census, BLS, IPUMS) to measure Minnesota health care workforce trends.
* Conducted literature reviews and analysis of health care cost trends and communicated results to MN Senators.
* Used R for data analysis and created over 40 pages of visualizations from results of the MN quality measures.

**MN Management and Budget - Saint Paul, MN Budget Analyst 05.2017 – 09.2017**

* Calculated Minnesota budget forecast error for FY2018-19 income tax, corporate tax, and sales tax revenues.
* Prepared brief report communicating statistical analysis of the Minnesota tax revenues to broad audiences.
* Updated quarterly state forecast database by meticulously reviewing fund balance reports dating back to 1988.

# Pro Bono Consulting

**Ramsey County Workforce Solutions - Program Evaluation 01.2017 - o5.2017**

* Organized meetings and conducted surveys to identify gaps in information exchange between client stakeholders.

**Minnesota Housing Justice Center - Housing Policy Analysis 02.2017 - 05.2017**

* Conducted interviews, analyzed 3rd party data, and provided recommendations for increasing subsidized housing.
* Loaded 3rd party GIS data and geocoded expiring mortgages and nearby Section 8 properties using ESRI ArcGIS.

# Skills & Competencies

* Technical: Python, R, SQL, Stata, ArcGIS, PostGres, ML, Data Visualization, ETL, Statistics, Text Analytics.
* Soft: Communication, creative problem-solving, teamwork, client management, political savvy, leadership.

# Awards & Recognition

* 2014 Minneapolis Leader of the Year Finalist: Recognized by Mayor Frey for “dedication and passion for community”.
* 2015 United Nations Academy: Selected among 13,000 global applicants to attend workshops on Design Thinking.