LEE A. WERNER

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Mission

Apply and develop my expertise in the field of data science and market research through meaningful contributions and insights towards the mission and values of my employer.

Education

- B.S. Geological Engineering, Graduated May 2018 – *University of Minnesota – Twin Cities*
- M.S. Library & Information Science, Graduation May 2020 – *University of Wisconsin – Madison*

Professional Proficiencies

- Data Ethics, Research & Assessment, Digital Communication, Uncertainty/Decision Analysis, Project Management
- Fundamental C++, SQL, Google Analytics, Tableau, Python, SPSS/PSPP, MatLab, Statistics, Basic ITIL knowledge, MS Office/Excel

Work Experience

May 2019 – Present Data Scientist Intern, *University of Minnesota Libraries*

- Create Tableau dashboards and stories using faculty research metadata for University of Minnesota administrators to use in strategic decision making.
- Use SQL queries to construct a tabular schema of relational data from JSON faculty research metadata.
- Monitor and report web activity using Google Analytics to influence web content and design.

October 2018 – Present Market Data Analyst Intern, *Be The Match – National Marrow Donation Program*

- Parse through survey data and focus group notes to create presentations and reports supporting the company's strategic direction to increase donor recruitment and ensure positive donor experiences.
- Clean datasets from online public access data sources to provide superiors with accessible, formatted data using MS Excel, Python, and PSPP (open-source version of SPSS).
- Create demographic and institutional market profiles that highlight key research insights.
- Actively network within the organization to identify additional tasks that further the organization's overall mission.

September 2016 – May 2018 Teaching Assistant for Dr. Randal Barnes, *University of Minnesota*

- Mentor students and assist with their projects in MatLab and MS Excel, involving a blend of data manipulation, statistical concepts, and engineering applications.
- Efficiently grade coursework done by students and report results to the course instructor.

May 2016 – August 2016 Geotechnical Technician Intern, *Northern Technologies Inc.*

- Perform quality assurance lab and field tests on construction materials and report results to clients and supervisors.
- Maintain organized and timely processing of paperwork related to field and laboratory tests for preservation and documentation.

October 2015 – May 2016 Research Assistant for the Minnesota Traffic Observatory, *University of Minnesota*

- Examine street video to count event occurrences of bicycle-car and bicycle-pedestrian interactions in traffic that directly contributed to research analysis in the lab.
- Communicate regularly with supervisors on data results and any updates to the research to maintain orderly data collection.

October 2014 – October 2015 Research Assistant for Dr. Dave Yuen, *University of Minnesota*

- Model surface mesh data sets on virtual reality software to provide advanced visualization techniques of 3-dimensional geological data.
- Collaborate with a team of four to strategize for new data visualization projects using virtual reality technology.

Honors & Activities

May 2018 – November 2018 Volunteer at Minneapolis Central Library
April 2017 – May 2018 President of the UMN Student Society for Mining, Metallurgy, & Exploration
May 2016 – May 2017 President of the UMN Student Gymnastics Club
Spring 2016, Fall 2016 College of Science & Engineering Deans List