

Carl P. Reim

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reimx007.github.io/Website_portfolio/

970-690-5497

Academic degrees & Certificates

Trilogy Education Services Data Science and Visualization Bootcamp (Certificate)	St. Paul, MN May 2020
University of Minnesota-Twin Cities Master of Geographic Information Science	Minneapolis, MN Dec. 2016
University of Minnesota-Twin Cities Bachelors of Science, Geography	Minneapolis, MN May 2014

Technical Skills

- **Esri:** ArcGIS Desktop, ArcGIS Online, Model Builder, Collector, Portal
- **Scripting:** Python, ArcPy, Pandas, Matplotlib
- **Web:** JavaScript, Leaflet, Plotly, D3, Bootstrap
- **Databases:** SQL, PostgreSQL, MongoDB
- **Design:** Illustrator
- **Other:** QGIS, Trimble, ERDAS Imagine

Work Experience

Hennepin County Public Works Principal Transportation Planning Analyst	Minneapolis, MN June 2017—Present
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- Coordinated and produced spatial data for transportation planning purposes
- Created maps and visualizations, both PDF and web-based, to help display data and inform decisions
- Used GIS modeling, Python, Esri Dashboards and Power BI to create a crash analysis system
- Organized and participated in road projects to improve mobility and safety for all users
- Managed road inventory and network in state database

Polar Geospatial Center Graduate Research Assistant	St. Paul, MN May 2013—June 2017
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- Worked as a point of contact for polar researchers requiring geospatial data products
- Accessed, refined and utilized a variety of high-resolution imagery and elevation models
- Traveled to Antarctica and Greenland to support scientists, collaborate on projects and participate in field work
- Wrote workflow documentation and taught GIS to partnering agencies
- Refined organizational skills to keep track of multiple on-going projects

Other Experience

- Acted as Communications Officer in the Geographic Information Science Student Organization (GISSO) at the University of Minnesota
- Presented to schools on various topics such as Antarctica, Cartography and Transportation Planning
- Volunteered as financial secretary at Berea Lutheran Church.