

Carl P. Reim

St. Louis Park, MN
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carlreimportfolio.weebly.com

970-690-5497

Academic degrees

University of Minnesota-Twin Cities
Master of Geographic Information Science

Minneapolis, Minnesota
Dec. 2016

University of Minnesota-Twin Cities
Bachelors of Science, Geography

Minneapolis, Minnesota
May 2014

Certificates

Data Science and Visualization
Trilogy Education Services

St. Paul, MN
May 2020

Skills

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

Work Experience

Hennepin County Public Works
Principle Transportation Planning Analyst

Minneapolis, Minnesota
June 2017—Present

- Acted as a point of contact for polar researchers requiring spatial data products
- Worked to produce customized geographic products including imagery, maps, and DEMs
- Used automated workflows to process large amounts of high-resolution imagery
- Gained experience organizing, editing, and performing queries on large datasets
- Taught partnering agencies how to utilize open source GIS software
- Preserved and updated historical spatial data such as maps and placenames
- Appointed to update and write new workflow documentation
- Refined organizational skills to keep track of multiple on-going

Polar Geospatial Center
Graduate Research Assistant

St. Paul, Minnesota
May 2013—Present

- Acted as a point of contact for polar researchers requiring spatial data products
- Worked to produce customized geographic products including imagery, maps, and DEMs
- Used automated workflows to process large amounts of high-resolution imagery
- Gained experience organizing, editing, and performing queries on large datasets
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Other Experience

- Awarded a Student Assistantship for the 2015 Esri User Conference
- Participated in field work with local agencies in Greenland to update technical maps of settlements
- Used Google's Street View Trekker backpack camera to collect panoramic images in Greenland
- Acted as Communications Officer in the Geographic Information Science Student Organization (GISSO) at the University of Minnesota
- Presented to elementary schools on various topics such as Greenland and Cartography
- Volunteered as financial secretary at Berea Lutheran Church.