



LAUREN STRUG

319.333.6016

laurenstrug@gmail.com

laurenstrug.github.io

SKILLS

ESRI

- ArcGIS Desktop & Pro
- ArcGIS Online
- ArcGIS API for Python
- Arcpy

Programming

- Python
- SQL
- HTML/CSS
- Arcade

Miscellaneous

- QGIS, Carto, Mapbox
- GDAL, Rasterio, fiona, Pandas, Twitter API, Dask, scikit-image
- Adobe Indesign & Illustrator

EXPERIENCE

GIS Intern | City of Brooklyn Park

May 2019 - Present Brooklyn Park, MN

- Create ArcGIS Online web apps with Web AppBuilder and Arcade expressions
- Automate GIS data maintenance with Python
- Customize ArcGIS Online homepage with HTML and CSS
- www.brooklynpark.org/maps/

Freelance Geospatial Analyst & Cartographer | Visible City

May 2019 - June 2019 St Paul, MN

- Compiled open data sources in QGIS
- Formatted data for geocoding and map production

Teaching Assistant | University of Minnesota

August 2018 - May 2019 Minneapolis, MN

- Validated teaching materials, exams, and edited lab assignments
- Wrote cartography labs for in-depth ArcGIS Online Cartography capabilities
- Processed Vector and raster data for use in teaching GIS and cartographic principles

Student Worker | Minnesota Pollution Control Agency

March 2018 – January 2019 St Paul, MN

- Assembled current and historic well log data for superfund sites
- Managed EQUIS database
- Performed QC/QA processes to support metadata standardization

EDUCATION

Master's of Geographic Information Science | University of Minnesota

September 2017 – December 2019 Minneapolis, MN

Interest areas: spatial analysis, python programming, cartographic design

B.S. Geology | Beloit College

Aug 2011 – May 2015 Beloit, WI

VOLUNTEER

GIS Student Organization, President | University of Minnesota

May 2018 - May 2019 Minneapolis, MN

- Lead organizer and planner for the grant funded 18th Annual GIS Career and Networking Fair
- Coordinated club meetings, GIS Day events, and social events

Student Assistant | Minnesota GIS/LIS Conference

October 2018 Duluth, MN

- Assisted workshops, monitored sessions, general helping out with set-up and tear-down

AWARDS

2019 MN GIS/LIS Student Scholar Award

2019 ESRI UC Student Assistantship

2018 U-Spatial Mapping Prize Honorable Mention

FAVORITE

Food elaborate bowls of oatmeal

Music Brian Eno, Joni Mitchell, Hop Along

Rock BIF (Banded Iron Formation)

Spice smoked paprika