

LAUREN STRUG

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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 and Arcpy across non-GIS databases
- Customize ArcGIS Online homepage and applications with HTML and CSS
- Produced small and large format digital and paper map products
- www.brooklynpark.org/maps/

Teaching Assistant | University of Minnesota

August 2018 - Present Minneapolis, MN

- Guided students in Principles of GIS and Principles of Cartography exercises
- Create cartography labs for in-depth ArcGIS Online Cartography capabilities
- Consult student GIS projects, software and data needs

Freelance Geospatial Analyst & Cartographer | Visible City

May 2019 - June 2019 St Paul, MN

- Create and manage resources from open data sources in QGIS
- Formatted data for geocoding and report quality map production

Student Worker | Minnesota Pollution Control Agency

March 2018 – January 2019 St Paul, MN

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

GIS Intern | USGS Water Resource Center

January 2018 - May 2018 Mounds View, MN

- Verifying well locations for database management of the national Site-Specific Water-Use Database

EDUCATION

Master's of Geographic Information Science | University of Minnesota

September 2017 – December 2019 Minneapolis, MN

- cartography, spatial data processing, geocomputation

B.S. Geology | Beloit College

Aug 2011 – May 2015 Beloit, WI

- GPS field experience, wetland monitoring, well sampling

AWARDS

2019 MN GIS/LIS Student Scholar Award, 2nd place prize

“Do We Tweet Where We Ride?” GIS Urban Mobility Analysis using Twitter

2019 ESRI UC Student Assistantship

2018 U-Spatial Mapping Prize Honorable Mention

“Geologic Map of Mars”

SKILLS

ESRI

- ArcGIS Desktop, Pro & AGOL
- ArcGIS Enterprise, Server
- ArcGIS API for Python
- ArcGIS Survey 123

Programming

- Python
- SQL, PostgreSQL
- HTML/CSS
- Arcade
- Arcpy

Miscellaneous

- QGIS, PostGIS, Carto, Mapbox
- GDAL, Rasterio, fiona, Pandas, Twitter API, Dask, scikit-image
- Adobe Indesign & Illustrator
- MS Excel and Access

VOLUNTEER

Student Assistant | ESRI User Conference

July 2019 San Diego, CA

- Assisted workshops, monitored and attended sessions
- Amazing opportunity to attend the largest GIS conference in the world and make global connections

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

FAVORITE

Food elaborate bowls of oatmeal

Music Brian Eno, Joni Mitchell, Hop Along

Rock BIF (Banded Iron Formation)

Spice smoked paprika