



EDUCATION

Associates in GIS/Geography	<i>Itasca Community College</i>	2017
Masters in Modern Irish History	<i>Trinity College Dublin</i>	2009
Bachelors in History minors in Geography and Math	<i>Drake University</i>	2007

SKILLS

ArcMap 10	HTML/CSS/JavaScript	SQL
QGIS 2.18	Python	AutoCAD

WORK EXPERIENCE

Sales & Operational Support Intern *Geosys, Inc* June 2017–Dec. 2017

- Optimized flight plans for aerial imaging of client farms through spatial analysis of relationship between flight paths and crop location and health.
- Aggregated crop yields of more than 20,000 client farms through SQL queries for analysis in Excel and ArcMap to search for influencing factors such as weather or precipitation.
- Built Python query with a team to compile weather data for growing degree day analysis.
- Coded nearest-neighbor script to be able to compare genetic variations to each other while disregarding farms with different crops.
- Acquired large datasets of satellite data from US Geological Survey for client farms.

Sales Administrator *Dero Bike Racks* July 2015–June 2017

- Maximized bicycle parking density in new construction through CAD layouts.
- Created Excel freight calculator to increase speed and accuracy of quote creation.
- Entered \$45K/month in sales into Microsoft Dynamics for production and shipping.
- Partnered with cities of Minneapolis and Saint Paul in cost sharing program to provide local businesses with cost-effective bike parking to increase bike visitors.

PROJECTS

Map of Air Force Stations

- Created a map of places my brother has been stationed in QGIS. Used SVG icons for custom markers. Used Regular Expressions to show latitude and longitude in USAF style.

Web Scraper

- Created a Python script to copy web data from USARugby.com; format the data into CSV; upload to and retrieve coordinates from US Census Geocoder API; and display results on map in ArcMap 10.

OTHER ITEMS

Front End Web Developer certificate	Thinkful.com	2014
Assistant Coach (part-time)	Armstrong HS Girls' Rugby	2016–Present
Player	Minneapolis Mayhem Rugby	2015–Present
Member	MN GIS/LIS Consortium	2016–Present