

EDUCATION

NORTHEASTERN ILLINOIS UNIVERSITY

May 2021

Bachelor of Science, Earth Science (GPA 3.44)

Bachelor of Arts, Geography (GPA 3.82)

- Minor and Undergraduate Certificate in Geographic Information Science
- Recipient of Dean's List Academic Achievement Award
- Earth Science Club - Event Organizer and Fundraiser

PROFESSIONAL EXPERIENCE

THE MINT

June – October 2019

GIS ANALYST INTERNSHIP

- Created dynamic GIS maps to identify property parcels for site selection
- Ensured properties met city zoning code requirements and district regulations
- Corresponded with Michigan municipalities and counties for data requests
- Digitized and geocoded city shapefiles in the absence of available online data
- Maintained an organized and accessible company geodatabase using ArcGIS Online

NATIONAL SOIL EROSION RESEARCH LAB

May – July 2018

STUDENT RESEARCH INTERNSHIP

- Participated in a 10-week internship as part of the Agriculture and Undergraduate Achievement Project
- Conducted soil erosion modelling in freeze-thaw conditions under Lead Researcher Dr. Chi-Hua Huang
- Selected to present research at the 2018 SACNAS STEM Conference in San Antonio, TX
- Assisted in other student projects, including data analysis, atrazine chemical analysis, water flow-through studies, soil nutrient and pollutant experiments, and water quality field monitoring on research farms

MIDWEST IMAGING & DIAGNOSTIC CENTER

January – May 2018

OFFICE ASSISTANT

- Worked with medical team to organize schedules and client appointments
- Communicated with patients, processed documents, and maintained email and phone correspondence

TECHNICAL SKILLS

FIELD EXPERIENCE

- Sedimentary and stratigraphic analysis of the Baraboo Range in Southern Wisconsin
- Geologic history and surficial mapping of Starved Rock and Matthiessen State Parks in Northern Illinois
- Glacial landform assessment of Kettle Moraine State Forest in Southern Wisconsin
- Lithological and structural mapping of Frying Pan Gulch and Block Mountain in Western Montana
- Land surveying and GPS data collection in the Palos Forest Preserves of Cook County, Illinois

COMPUTER SOFTWARE & LANGUAGES

- | | | | |
|-----------------------|------------------|-----------------|------------------------|
| • ESRI ArcMap | • QGIS | • RStudio | • Microsoft SQL Server |
| • Python | • HTML | • JavaScript | • ModelBuilder |
| • Leaflet Web Mapping | • Remote Sensing | • LIDAR Imagery | • ERDAS Imagine |

LABORATORY TECHNIQUES

- | | | | |
|--------------------------|------------------|-----------------------|---------------------------------|
| • Abrasive Sandblaster | • Freeze Dryer | • Rainfall Simulator | • Syringe/Gravitational Filters |
| • Thin Section Machine | • Rock Cutter | • Soil Lysimeter | • pH/Conductivity Meters |
| • Particle Size Analyzer | • Orbital Shaker | • Soil Moisture Probe | • Liquid Isotope Analyzer |