

## 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 DISPENSARY

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 own 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 atrazine chemical analysis, data analysis, water flow-through studies, and soil nutrient and pollutant experiments

## VOLUNTEER EXPERIENCE

### MIDWEST IMAGING AND 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

### LITTLE RED SCHOOLHOUSE NATURE CENTER

June – July 2017

#### ECOLOGICAL STEWARDSHIP

- Cleared invasive species and restored natural flora for the Forest Preserves of Cook County
- Treated harmful plants with pesticides, dispersed native seeds, and burned brush piles

## TECHNICAL SKILLS

### 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       |