

Samir Youseftaha

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EDUCATION

NORTHEASTERN ILLINOIS UNIVERSITY

August 2020

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, 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 staff to organize schedules and client appointments
- Welcomed 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

- ArcMap
- QGIS
- RStudio
- ERDAS Imagine

PROGRAMMING LANGUAGES

- Python
- HTML
- JavaScript
- ModelBuilder

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