

Ian J. Gard

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224-238-0969

EDUCATION

Appalachian State University, Boone, North Carolina
Bachelor of Science, Geography/GIS Concentration

Graduated: May 2018

- Honors & Awards: Dean's List (Fall 2015)
- Study Abroad
 - Two-week study abroad in Peru concerning mountain geography and tropical glaciers

RELEVANT COURSEWORK

- Town, City, and Regional Planning
- Intro to GIS
- Global Climate Change
- Quantitative Methods
- Remote Sensing
- Intro to Programming with Interdisciplinary Applications (Computer Science)
- Cartographic Design and Analysis
- Principles of Sustainable Development
- Geospatial Data and Technology
- Advanced GIS
- Digital Image Processing

PROJECTS

- Geothermal Energy Site Suitability Analysis
- Glacier Image Classification/Area Analysis

EXPERIENCE

Here Technologies, Chicago, IL
Regional Mapping Content Intern
40 Hours a week, 1 year

January 2019-January 2020

- Use internal software queries to search online media identifying real world local business and construction changes
- Update and edit changes in public, online map, 'Map Creator' with moderator privileges
- Basic python web scraping of department of transportation website construction updates
- Assisted senior analysts with proprietary map geometry cleanup and creation for customers such as Amazon and BMW
- Acquire nation-wide geojson data (roads, railways, building footprints) via internal API endpoints. Convert data via geospatial data abstraction library (GDAL) to useable ESRI FGDBs.
- Connect tile satellite imagery residing on servers to Arc environment as base layers

Village of Algonquin, Algonquin, IL
GIS Intern

May-August 2017/June-December 2018

40 Hours a week, 3 months, 6 months

- GPS data collection of city owned water and utility structures
- Updating and adding structure attributes in ArcMap
- Responsible for collecting and adding data independently
- Assisted in collecting GPS ground control points for drone flights
- Participated in IT team meetings and discussions

SKILLS

- ArcGIS Suite, ENVI 5.3, QGIS, SQL/Python, RStudio, CityWorks, Trimble GPS, Map Creator, HERE XYZ Studio/CLI, MapBox, GDAL(ogr2ogr)
- Experience in both office and field environments, public and private sectors
- Strong communicator and collaborator in groups, efficient in independent work settings

