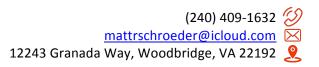
# **Matthew Schroeder**



#### **EDUCATION**

## Graduate Studies | University of Maryland | College Park, MD | May 2015

- o Masters of Professional Studies in Geospatial Information Science
- Reserve Officers Training Corps (ROTC)

# Undergraduate Studies | University of Montana | Missoula, MT | May 2012

- Bachelor of Arts in Geography
- o Certificate in Geospatial Information Science

#### **EXPERIENCE**

## Geospatial Intelligence Analyst | The MASY Group | FT Belvoir, VA | Feb 2017 - Present

- Geospatial analyst for the Defense Threat Reduction Agency's Intelligence dept
- Perform GIS analysis and map creation for reports and presentations used by the DTRA director, senior leaders, members of the military, and congress
- Utilize ESRI suite products in both desktop and online formats
- o Database management, data integration, and online mapping on multiple domains
- Edit and update various vector datasets to include roads, rivers, points of interest, areas of influence, and physical and administrative boundaries
- Work alongside other GIS analysts to identify data from a variety of sources
- o Developed policies & procedures to standardize GIS utilization & implementation
- o Interact with customers & producers to assure data is current, accurate, & uniform
- Improved office efficiency by streamlining the production of GIS enabled briefings

## GIS Analyst | EEE Consulting | Richmond, VA | Nov 2015 - Apr 2016

- Supported environmental projects by conducting GIS analysis, and map production
- Collected data using ArcGIS Online and handheld GPS collection platforms
- In charge of data creation, editing, quality assurance, and metadata collection
- Maintained company resources including databases, software, and hardware (GPS)
- Researched state, county, and city GIS datasets and supporting documents
- o Edited and merged GIS datasets from various counties, cities, and rural localities
- Analyzed datasets to include road centerlines, NHD flowlines, NWI wetlands, local hydrography, parcels, public lands, and national land cover datasets
- Utilized ESRI products, handheld GPS devices, and Google earth imagery
- Conducted field research using handheld data collection platforms
- o Prepared, coordinated, and consolidated documents, reports, and briefings

## Advanced GIS Internship | START | College Park, MD | Jan 2015 - May 2015

- Researched and geolocated high value targets into ESRI suite products
- Worked alongside and supported other GIS interns and employees
- Developed GIS models to determine areas vulnerable to illicit border crossings
- Briefed a multi-disciplinary group on projects involving complex GIS terminology

### GIS Technology Assistant | University of Montana | Missoula, MT | Oct 2011 – May 2012

- Utilized ESRI suite products
- Assisted students in resolving GIS related problems
- o Prepared cartographic aids and reviewed GIS classroom materials
- o Monitored GIS computer lab and updated GIS related software

# ARMY RESERVES

# All-Source Intelligence | Officer | May 2015 - Present

- o Trained in geospatial analysis, collection management, and trend analysis
- Oversee analysts who actively support real world intelligence around the world
- o Monitor unit readiness, and brief senior leaders

# Signal Support Systems Specialist | Enlisted | Feb 2012 - May 2015

- o Trained to maintain GPS devices, radios, and data distribution systems
- o Provided technical assistance and training to non-technical staff
- Led a team of 12 who met the IT needs of 200+ people

#### **BEYOND WORK**

- ▶ Eagle Scout (2008)
- ► The Leadership, Achievement, and Service Scholarship Award
- University of Montana:
  - o Dean's List | ('10-'12)
  - o Dep. of Geo. Outstanding Senior
  - o Int'l Geography Honors Club
  - Mortar Board: Nat'l College Senior Honor Society
  - Student Employee of the Year Nominee
- ▶ University of MD ROTC Graduate
- ▶ Army Reserve Commendation Medal
- ▶ American Association of Geographers

#### **STRENGTHS**

ESRI Suite products
QGIS, ENVI, Erdas
Garmin BaseCamp
Pathfinder Office
Adobe Illustrator
Google Earth

#### **Analysis**

Vector and raster spatial datasets
Satellite/aerial imagery analysis
Remote Sensing using Lidar
Data interpretation, processing,
projecting, & modeling

**Programming** 

HTML5, CSS, PHP, JavaScript, Python Web & Mobile GIS

**Data Management** 

Oracle, ArcGIS Server
Database query
& manipulation
Metadata collection
Detail oriented