



Matthew Schroeder

(240) 409-1632 

mattschroeder@icloud.com 

12243 Granada Way, Woodbridge, VA 22192 

EDUCATION

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

- 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
- 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
- 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
- Developed policies & procedures to standardize GIS utilization & implementation
- 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
- 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
- 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
- Prepared cartographic aids and reviewed GIS classroom materials
- Monitored GIS computer lab and updated GIS related software

ARMY RESERVES

All-Source Intelligence | Officer | May 2015 – Present

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

Signal Support Systems Specialist | Enlisted | Feb 2012 – May 2015

- Trained to maintain GPS devices, radios, and data distribution systems
- 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:
 - Dean's List | ('10-'12)
 - Dep. of Geo. Outstanding Senior
 - 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

Software

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

Programming

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

Analysis

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

Data Management

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