




Matthew Schroeder

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EDUCATION

Master of Professional Studies in Geospatial Information Science *May 2015*
University of Maryland – College Park, MD
B.A. in Geography and Certificate in Geospatial Information Science *May 2012*
University of Montana – Missoula, MT

EXPERIENCE

Geospatial and Lead All-Source Analyst *May 2018 – Present*
CACI International – National Ground Intelligence Center (NGIC), Charlottesville, VA

- Produces infrastructure-centric intelligence reports and GIS products in response to complex issues related to foreign operations, capabilities, and trends
- Queries, extracts, analyzes, and exploits vector and raster datasets to produce and design cartographic aids within ArcGIS
- Queries, collects and analyzes intelligence reporting and databases to assess developments, trends, and threat within a geographical and functional areas
- Responsible for the planning, execution, and delivery of project deliverables
- Identifies and recommends solutions to problems with collection and analysis
- Provides briefs to leadership, customers, and the wider U.S. intelligence community
- Coordinates with other entities to exchange tradecrafts and analytical methodologies
- Maintains a level of customer outreach and continuous collaboration

Geospatial Analyst *February 2017 – May 2018*
The MASY Group – Defense Threat Reduction Agency (DTRA), Fort Belvoir, Virginia

- Provided critical and timely geospatial products related to neutralizing threats posed by Weapons of Mass Destruction
- Conducted all aspects of geospatial data analysis, map development, and other visualizations for incorporation into reports and presentations used to inform Mil and Gov leadership
- Analyzed and consolidated critical geospatial data/intel from multiple sources using ArcGIS
- Developed, implemented, and managed a multi domain web map presence for the agency
- Presented new technologies and explained applicable use to team members and managers
- Worked independently and alongside other GIS analysts within a high paced environment
- Developed policies and procedures to standardize GIS utilization and implementation
- Worked with internal/external data producers daily

Geospatial Analyst *November 2015 – April 2016*
Environmental, Engineering and Educational (EEE) Consulting – Richmond, VA

- Assisted in the development of action plans in support of permits for the discharge of stormwater from municipal and the Virginia Dept. of Transportation's storm sewer systems
- Updated Hopewell, VA's E911 point database by identifying 446 parcels with no associated E911 point, and several more points with premise Id used in city tax management.
- Collected and managed local/national datasets to include road centerlines, NHD flowlines, NWI wetlands, local hydrography, parcels, public lands, land cover, and E911 points
- Collected data in the field using ArcGIS Online and handheld GPS collection platforms
- Planned and evaluated data creation, editing, analysis and quality assurance within ArcGIS
- Conducted impervious and pervious land cover analysis within client property parcels
- Designed and produced cartographic aids for reports, and briefings
- Maintained company resources including geodatabases, software, and hardware (GPS)
- Researched state, county, and city GIS databases and supporting documents

INTERNSHIP

Advanced GIS Internship

January 2015 – May 2015

National Consortium for the Study of Terrorism and Responses to Terrorism (START), College Park, MD

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

GIS Technology Assistant

October 2011 – May 2012

Geography Department, University of Montana – Missoula, MT

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

MILITARY

All-Source Intelligence Officer (Captain)

February 2012 – Present

United States Army Reserves, National Ground Intelligence Center (NGIC), Charlottesville, VA

- Provides geospatial support to NGIC and National Geospatial-Intelligence Agency analysts
- Uses geospatial data, and overhead and aerial imagery to help determine precise target coordinates and provide critical information about enemy forces.
- Plans, researches, analyzes and provides professional Intelligence assessments and maps
- Trained in geospatial analysis, collection management and trend analysis
- Trained in maintaining GPS devices, radios, and data distribution systems
- Oversee analysts who actively support real world intelligence around the world

BEYOND WORK

- ▶ Eagle Scout (2008)
- ▶ The Leadership, Achievement, and Service Scholarship Award (2008)
- ▶ University of Montana:
 - Dean's List | (2010, 2011, 2012)
 - Dep. of Geo. Outstanding Senior
 - Int'l Geography Honors Club
 - Mortar Board: Nat'l College Senior Honor Society
 - Student Employee of the Year Nominee (2012)
- ▶ University of MD ROTC Graduate
- ▶ Army Reserve Commendation Medal
- ▶ American Association of Geographers

KNOWLEDGE BACKGROUND

Software

ESRI Suite products,
QGIS, Adobe
Illustrator
Google Earth
MS Office Suite,
Garmin BaseCamp

Programming

HTML5, CSS, PHP,
SQL, 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

ArcGIS Server
Database query
& manipulation
Metadata collection

Website: <https://mschrodr.github.io>

LinkedIn: <https://www.linkedin.com/in/schrodermatthew/>