ALEX THOMPSON

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Master of Science in Cartography and GIS, with a focus on emerging trends in web mapping and data visualization. Experience in application development, business analysis, project and team management, and geospatial analysis. Adaptable attitude and a demonstrated ability to excel in fast-paced environments.

Education

University of Wisconsin-Madison

Master of Science in Cartography and GIS   4.0/4.0   *September 2018*

Coursework focused on web map development, spatial analysis techniques, UI/UX design relevant to interactive cartography, and geovisualization. Tools and libraries included ArcGIS, QGIS, GRASS, GDAL/OGR, Leaflet, D3, Mapbox, JavaScript, and Python.

National Geospatial-Intelligence Agency

Intermediate Geographic Intelligence Specialist Course   *Honor Graduate*   *October 2014*

Completed advanced courses in the fields of geodetic surveying and geospatial analysis.

Basic Geographic Intelligence Specialist Course   *Distinguished Graduate*   *November 2012*

Completed over 820 hours of study in geodetic surveying and geospatial analysis.

Virginia Polytechnic Institute and State University

Bachelor of Science in Business Management with a Minor in Leadership   *May 2007*

Coursework focused on Entrepreneurship, Innovation, and Technology. Member of the Student Government Association Student Senate, the Student Government Association Budget Board, and the Entrepreneurial Leadership Initiative.

Professional Experience

United States Marine Corps

Geospatial Intelligence Chief, 3rd Marine Logistics Group G-2   *April 2015 — November 2016*

- Provided geospatial intelligence support to the Commanding General of 3rd Marine Logistics Group (MLG), in addition to the 12 subordinate units that make up MLG
- Managed the planning, production, and dissemination of over 500 geospatial products—a tenfold increase over the previous period
- Established a digital library to organize nearly 600 gigabytes of geospatial data, drastically reducing time spent on product production and maintenance
- Coordinated with a third-party contractor to implement a networked storage and backup solution, streamlining the G-2's infrastructure and enabling faster data sharing between teams
- Built custom geoprocessing models and Python scripts to automate repetitive tasks, improving both data intake and production speeds
- Implemented standard operating procedures and quality controls to facilitate faster daily production
- Awarded the Navy and Marine Corps Commendation Medal for work done streamlining the data infrastructure and increasing fusion between the different intelligence sections

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Geospatial Intelligence Analyst, 3rd Intelligence Battalion   *December 2012 — April 2015*
- Collected, analyzed, and processed geospatial data to aid in the production of intelligence products
- Produced intelligence products in support of the III Marine Expeditionary Force and the 36 countries that fall under its area of responsibility, utilizing the ArcGIS toolset and Python
- Worked with multiple service branches, civilian intelligence agencies, and multinational partners as part of regular operational duties, training exercises, and real-world operations
- Created a specialized GIS training program for Army intelligence analysts while attached to the 1st Special Forces Group
- Meritoriously promoted in June of 2013

Geospatial Intelligence Student   *December 2011 — December 2012*
- Completed over 820 hours of study in geodetic surveying and geospatial analysis at the National Geospatial-Intelligence Agency

Self-Employed

Freelance Developer   *June 2010 — November 2011*
- Worked with a startup company to explore potential web interfaces, from design to basic implementation
- Completed contracts with e-commerce customers, primarily working on backends written in PHP

Progress Energy

Associate IT Analyst   *June 2007 — June 2010*
- Connected internal customers and developers by translating business needs into technical requirements
- Coordinated with cross-functional teams to plan and execute projects
- Developed in-house enterprise software solutions using C# and ASP.NET
- Worked with vendors to implement third-party software solutions
- Managed a software product portfolio of more than a dozen applications

Technical Skills

Geospatial Analysis	ArcGIS, QGIS, GRASS, GDAL/OGR, Leaflet, D3, Mapbox, Turf, OpenStreetMap
Development	HTML, CSS, JavaScript, jQuery, Node.js, React, Redux, Laravel PHP, Python, C#, .NET
Data Management	MySQL, PostgreSQL, PostGIS, Git/GitHub
Key Applications	Photoshop, Illustrator, Sketch, Unity