HANNAH THORNTON

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WORK EXPERIENCE

Lockheed Martin, Greensboro, NC
Geospatial Systems Engineer | June 2024 - Present
- Develop and integrate geospatial software within customer systems, specializing in Digital Elevation Models, Satellite Imagery, Point Clouds, and Derived Datasets
- Design workflows for processing large-scale geospatial data while contributing to the technology roadmap and software requirements
- Proficient in geospatial software (Global Mapper, QGIS, ENVI, ERDAS, ESRI) and libraries (GDAL/OGR, GEOS, PROJ), with scripting expertise in Python, bash, and PowerShell on Linux systems
- Thrive in high-tempo environments through collaboration, effective communication, and technical problem-solving

Maxar Technologies
3D Geospatial Production Analyst | St. Louis, MO | May 2022 - February 2024
- Performed quality control and peer review and maintained organized metrics via databases. Ensured products met quality standards while meeting and exceeding monthly company metrics by 150-200%
- 3D Geospatial Production representative on GLINT committee: contributed to enhancing team morale, identifying organizational issues, and devising strategies for departmental value optimization

Imagery Analyst | Longmont, CO | September 2021 - May 2022
- Supported NGA contractual efforts by ensuring Daily Take Imagery adhered to deliverable standards
- Impacted mission success by leveraging expertise in analyzing classified data and producing actionable intelligence, requiring the acquisition of a Secret security clearance for confidential/government projects.
- Processed quality orthomosaics with high quality standards using Maxar proprietary software

T-Kartor, USA, St. Louis, MO
Geospatial Analyst | July 2020 - September 2021
- Evaluated geospatial data for use in standard products and in support of various project requirements and manipulated quality geospatial information both in-house and with contractors for national, military, and civil partners/clients including L3Harris, Hexagon, the NGA, and Maxar Technologies
- Gained exposure to unique data involving vertical obstruction projects and OpenStreetMap
- Collaborated across teams to innovate solutions for complex geospatial challenges, enhancing mapping accuracy and creating tailored products for clients

Berkshire Hathaway GUARD Insurance Companies, Wilkes-Barre, PA
Policy Services Assistant | May 2016 - August 2020
- Responsible for processing time sensitive documents such as homeowners endorsements, motor vehicle reports, premium finance documents, and certificates of insurance

EDUCATION

B.S. Environmental Science, B.S. Geology, Wilkes Barre PA (2015-2020)
Minors in Business Management and Biology
President of Geo-Explorer's Club: led a team in promoting outdoor activities for well-being. Organized events like canoeing, hiking, and camping, as well as community service activities, fostering leadership and communication skills.

ACHIEVEMENTS

- **USGIF GEOINT 2023 Young Professional Golden Ticket Winner** (*2023*): recognized as an outstanding young professional in the geospatial community for exceptional contributions
- **Young Professionals of St. Louis Facebook Group & Winston Salem Social** (*2020-present*): actively organize events and foster connections among young professionals in the community. Committed to creating a positive and inclusive space, curate discussions, share resources, and collaborate with businesses for career growth opportunities
- **NFTE** (Network for Teaching Entrepreneurship; *2022-2023*): volunteer to support students in developing entrepreneurial skills, fostering a comfortable learning environment for their personal and professional growth

SKILLS

Communication: Microsoft Teams, Slack, Team Building and Teamwork, Customer Service Support & Sales
Software: GIS (ArcMap, ArcGIS Pro), ENVI, Windows/Linux/Unix, Microsoft Products, Adobe Products, Figma, AutoCAD
Technical: Geospatial & Image Processing, Digital Orthomap Compilation, Change Detection Analysis, Fast & Efficient Data Analysis, Graphic/Web & UX Design, Digital Photography, SAR Processing & LiDAR Calibration, Drone Piloting: DJI Mavic Pro