

JONATHAN RYAN

MANAGEMENT ANALYST I - GIS

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PROFILE

GIS professional, possessing an eight year background in imagery analysis. Eager to learn new skills, hardworking, and dedicated to the success of my team.

EDUCATION

ARIZONA STATE UNIVERSITY

2024 | Bachelor of Science: Geospatial Information Sciences

AWARDS

AIR FORCE COMMENDATION MEDAL

Received for pioneering a forensic exploitation program, leading a 16 member team, and creating 750 actionable imagery products.

AIR FORCE ACHIEVEMENT MEDAL

Awarded for solidifying the processes and procedures within the Post Ingest Exploitation team, while also opening the door to three national level agencies as customers.

SKILLS

- GIS Tools: ArcGIS PRO, ArcMap, ArcCatalog, ArcGIS Online, Experience Builder, Survey123/survey123 connect, ArcGIS Urban, and Instant App.
- 50 ESRI training courses completed.
- Microsoft Suite: Excel, Word, Powerpoint, Teams, Power BI.
- Programming:
 - Python - Basic Knowledge
 - HTML&CSS - Basic Knowledge

EXPERIENCE

CITY OF NORFOLK | NOV 2021 - CURRENT MANAGEMENT ANALYST I - GIS

- Developed and implemented web-based interactive GIS applications, selecting the most appropriate online GIS software based on specific requirements from residents and city staff.
- Created the 2050 Future Land Use Map layers for the city's comprehensive plan update, aligning with current planning staff insights and community-driven needs.
- Maintained and updated permit and zoning databases by modifying GIS layers in response to city council actions, ensuring data accuracy and relevance.
- Created detailed land use maps for city presentations, enabling the city planning commission to make well-informed decisions regarding urban development.
- Implemented Python workflows to automate spatial analysis on parcel and housing data to provide insights into housing density issues, supporting effective urban planning and policy-making.
- Digitized city water and sewer data into the GIS database based on as-built drawings and field GPS collected points, enhancing the accuracy and completeness of infrastructure records.

UNITED STATES AIR FORCE | NOV 2016 - NOV 2021 GEOSPATIAL INTELLIGENCE IMAGERY ANALYST

- Planned, organized, and managed operations, including workflow management, customer coordination, and timely production of intelligence products.
- Trained and mentored 16 junior geospatial imagery analysts, enhancing team capabilities and operational efficiency.
- Oversaw updates to collection management databases and delivered verbal, graphical, and written presentations of project highlights and results.
- Directed personnel in correct production techniques to achieve required quality and prepared detailed technical reports and presentations for senior leadership.
- Created and disseminated standard and non-standard maps and map products, including detailed log sheets and reports for decision-making purposes.