

# 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.
- 44 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.