

# Michael Johnson

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## EDUCATION

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### Syracuse University:

**Expected Graduation: May 2022**

*Master's Degree in Applied Data Science* (Current 4.0 GPA): Data Engineering and Machine Learning.

### American Military University:

**Graduation Date: October 2020**

*Bachelor's Degree in Intelligence Studies* (Summa Cum Laude, 3.97 GPA): Geospatial Analysis focus.

## DATA PROJECTS, TECHNIQUES, AND SOFTWARE

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- Access Relational Database: Established a relational database with VBA and SQL to increase efficiency in data entry, cut down entry time by 60 percent and increased accuracy by 35 percent.
- Customer Evaluation: Developed a recommendation system to identify customer groupings with Clustering, Regression, and Classification techniques using Support Vector Machine Learning, Random Forest, K-Nearest Neighbors, Bayesian, and Artificial Neural Networks in Python.
- Location Analysis: Collaborated on a group project identifying the best location to live as a data scientist and accurately displayed geographic census and tax information with R and Python.
- Non-Value-Added Reduction: Performed data collection and subsequent analysis for time spent focused on non-value-added activities within Excel generating 50 percent more hours per week.
- Languages and Techniques: R, Python, SQL, VBA, Machine Learning, Natural Language Processing, Text Mining, Logistic and Linear Regression, Time Series, R-Studio, and Tableau.

## EMPLOYMENT HISTORY

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### Senior Intelligence Analyst (Booz, Allen, Hamilton)

**July 2021 – Present**

- Responsible for categorizing, analyzing, and storing data using Python scripting for cleaning and processing information quickly to meet weekly Intelligence Community requirements.
- Utilized SQL queries through advanced filtering and statistical functions with Python scripting to elicit information for rapid request responses sent to Intelligence Community members as needed.
- Developed dashboards containing information from multiple Intelligence Community databases designed to enhance research and highlight patterns for critical situational intelligence updates.
- Designed spatial and relational databases for geospatial solutions in infrastructure, human, intelligence, and feature objects to inform decision-makers on key national security issues.

### Intelligence Analyst and Team Lead (Leidos)

**January 2019 – July 2021**

- Established a relational database with SQL and VBA to reduce redundancies in data and increase analyst efficiency creating over 10 detailed queries designed to meet organizational requirements.
- Constructed a robust, front-facing application that assists analysts in entering geospatial data and increases accuracy through personalized and automated algorithms suggesting analytic solutions.
- Managed a team of analysts characterizing activities of foreign state actors supporting the counter-proliferation mission objectives of the 2019 and 2020 National Intelligence Strategy.

### Intelligence Analyst (United States Air Force)

**September 2014 – December 2018**

- Functioned as a Senior Intelligence, Surveillance, and Reconnaissance Tactical Controller and subject expert synchronizing and integrating multi-million-dollar sensors, assets, and products.
- Created training plans for full-motion video and instructed military personnel and contractors on training requirements while exceeding standards with 100 percent mission readiness.
- Conducted multi-source processing, exploitation, and dissemination operations in support of USCENTCOM, USAFE, USEUCOM, and Joint/Combined Force Air Component Commanders.