

# Matthew Feliciano



6401 S West Shore Blvd Apt 924, Tampa, FL 33616



(973) 525-5274



mattfeliciano22@gmail.com



www.linkedin.com/in/matthew-feliciano

https://matthew-w-feliciano.github.io/personal-site

## Professional Summary

Accomplished data scientist with extensive experience in data analysis to drive effective decision-making. Expertise in using Python, PySpark, R Programming, HTML, CSS, and JavaScript to drive actionable intelligence for senior policymakers. Proven track record of automation-driven results in fast-paced, deadline-oriented environments.



## Education

**Master of Science in Information Technology** | **University of Massachusetts, Lowell** | Graduation: August 2025

**Master of Arts in Geography** | **University of California, Santa Barbara** | Graduation: December 2020

Master's Thesis: *Social Media and Crime Perception*

- 2.5 million geotagged social media posts and crime incidents were studied via Python's Natural Language Toolkit with Latent Dirichlet Allocation and a REST API, sentiment analysis packages in R programming, and spatial autocorrelation in ArcGIS Pro to statistically test the efficacy of predictive models for automation by investigating the relationship between the perception of crime and real crime

**Bachelor of Science in Geosciences** | **The Pennsylvania State University** | Graduation: May 2018

Minor in Geographic Information Systems

Senior Thesis: *ArcGIS Visualization & Analysis of 2014 Chiang Rai, Thailand Seismicity*

- Future risk analyses of subsurface behavior in ArcGIS; developed spatiotemporal geodatabases



## Experience

**Data Scientist** | **Redhorse Corporation**

Full-time | Hybrid | Tampa, FL | March 2024 to Present

- Spatial and temporal analyses of global DOD transportation data in Databricks/PySpark to support executive-level, strategic decision-making; comprehensive overviews of transportation networks to improve situational awareness
- Interactive dashboards in Qlik Sense to drill down into granular, multifaceted data analytics geared towards end users to explore complex transportation data through intuitive visualizations and customized functionalities

**Data Scientist** | **Clarity Innovations**

Full-time | Hybrid | Tampa, FL | May 2023 to March 2024

- Statistical analyses in Python/NumPy/Pandas using machine learning algorithms on heterogeneous data sets to develop custom products for the Special Operations Forces enterprise; preprocessing to clean and manipulate open-source data, imputation for missing data, and regularization to mitigate overfitting
- Web pages in HTML, CSS, and JavaScript geared towards customers and allow ease of access to resources

**Data Analyst in Targeting and Transnational Issues** | **The National Geospatial-Intelligence Agency**

Full-time | Springfield, VA | August 2021 to May 2023

- Quantitative analysis and web scraping in R Programming/Tidyverse, Python/NumPy/Pandas, and SQL of resource issues for temporal stability; ArcGIS and Google Earth Engine for spatial analysis and machine learning



## Software & Scripting Skills

- R Programming/Dplyr/Shiny (5 yrs), Git (4 yrs), Python/NumPy/Pandas (4 yrs), SQL (2 yrs), HTML (1 yr), CSS (1 yr), JavaScript (1 yr), PySpark (1 yr)



## Certifications

- Top Secret/SCI Clearance (Active until 2027), Counterintelligence Scope Polygraph (Active until 2027)
- Front-End Web Development Professional Certificate, World Wide Web Consortium (W3C)

## Hobbies

- Surfing longboard on East and West Coast, Tennis Doubles because less running, Dwarf Jade Bonsais