Matthew Feliciano

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Professional Summary

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

🎓 Education

Master of Arts in Geography | **University of California, Santa Barbara** | Graduation: December 2020
Master's Thesis: *Social Media and Crime Perception*

- 200,000 geotagged social media posts and 2,000,000 geotagged 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 investigate the relationship between the perception of crime and real crime and to statistically test the efficacy of predictive models for automation

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*

- Build spatiotemporal geodatabases for map creation of subsurface behavior and future risk analyses

💼 Experience

Data Scientist | **Clarity Innovations**
Full-time | Tampa, FL | May 2023 to Present

- VS Code for statistical analyses of heterogeneous data sets to develop custom products and deliver data-centric courses/seminars to the SOF enterprise; HTML, CSS, and JavaScript for course-specific web pages geared towards customers and allow ease of access to materials and resources prior to instruction

Data Analyst in Targeting and Transnational Issues | **The National Geospatial-Intelligence Agency**
Full-time | Springfield, VA | August 2021 to May 2023

- R Programming/Tidyverse, and Python/NumPy/Pandas for statistical relevance of foreign-state natural resource issues in respect to temporal stability; preprocessing to clean and manipulate open-source data; briefings to senior policymakers

Data Analyst in Targeting and Transnational Issues | **The National Geospatial-Intelligence Agency**
Internship | Springfield, VA | June to September 2020

- Web scraping methods in Python, R, SQL, and AWS to spearhead a reference catalog of communication devices for dissemination to analysts via Tableau visualizations

Geospatial Analyst in Targeting and Transnational Issues | **The National Geospatial-Intelligence Agency**
Internship | Springfield, VA | June to September 2019

- Esri's ArcGIS Pro for fusing imagery analysis and open-source data analysis to brief policymakers

🛠 Software & Scripting Skills

- HTML (2 years), CSS (1 year), JavaScript (1 year), R Programming/Tidyverse (4 yrs), Python/NumPy/Pandas (3 yrs), SQL (2 yrs), GitHub (4 yrs), AWS (2 yrs), Tableau (2 yrs)

☰ Certifications

- Top Secret/SCI Clearance (Active until 2027), Counterintelligence Scope Polygraph (Active until 2027)

Hobbies

- Surfing longboard on East and West Coast, Tennis Doubles because less running, F1 Team Checo