ANTHONY CHIADO

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I am a data scientist interested in research and civic advocacy work, primarily through modeling and visualization. I strongly believe in collective action and a community-informed approach to data practice.

EDUCATION

JAMES MADISON UNIVERSITY, COLLEGE OF MATH AND SCIENCE   **HARRISONBURG, VA**
BS, Statistics and Religious Studies, May 2020
- *Relevant Coursework:* Applied Multivariate Statistical Analysis, Statistical Decision Theory, SAS Programming and Data Management, Linear Algebra, Time Series Analysis, Geospatial Tools and Techniques.

UNIVERSITY OF VIRGINIA, SCHOOL OF DATA SCIENCE   **CHARLOTTESVILLE, VA**
MS, Data Science, Expected May 2024
- *Relevant Coursework:* Data Pipelines, Programming for Data Science, Machine Learning, Bayesian Methods, Big Data Ethics, Deep Learning, Causal Inference Research Methods, Data Visualization.

RESEARCH AND PROJECTS

EXPLORING PREDICTABILITY OF CALIFORNIA'S WINTER HYDROCLIMATE WITH DEEP LEARNING   **CHARLOTTESVILLE, VA**
Research project with UVA professor Dr. Antonios Mamalakis, Oct. 2023 - Present
- Utilizing 50 years of atmospheric weather data and developing sampling procedures to augment data in order to predict winter precipitation totals across three regions of California.
- Fitting Convolutional Neural Network and utilizing explainable AI tools to predict precipitation, with the goal of informing California's state and local policymakers on likelihood of upcoming winter weather patterns.

EXPERIENCE

GUIDEHOUSE, *Operations Research Analyst (Aug. 2021 - May 2023)*   **ARLINGTON, VA**
- Conducted periodic updates and maintained organization of a SQL database to store up-to-date data.
- Designed and carried out a study to assess the short, medium, and long term outcomes of the Army's Spiritual Readiness Initiative, focused on improving soldier spiritual health and wellbeing. Project work focused on experimental design, data collection and SQL database design, and causal inference.
- Designed and implemented a SQL database structure to gather, track, and store data for a program assisting Chaplains with their retirement and separation from the Army and into civilian life.
- Assisted with business development efforts by maintaining interactive data visualization dashboards in Tableau and designing static visualizations using R for contract proposal materials.
- Carried out quantitative and qualitative analyses of survey results for a variety of project initiatives, largely utilizing machine learning, Natural Language Processing, and visualization capabilities in the R environment.

THRIVING CITIES GROUP, *Research Analyst Fellow (Aug. 2020 - Jun. 2021)*   **CHARLOTTESVILLE, VA**
- Gathered and analyzed US Census data for a project in partnership with Western Kansas Community Foundation, used in a 25-year anniversary impact analysis and community engagement campaign.
- Assisted with the expansion and development process of an interactive community data dashboard.
- Researched grant portfolios and compiled reports to pursue diverse funding opportunities.
- Carried out administrative tasks to coordinate relationships between Thriving Communities Group, The Ormond Center at Duke University, and several community organizations across the country.
- Assisted in developing a survey to model the impact investment landscape for The Ormond Center.

SKILLS & INTERESTS
- *Programming and Data Tools:* Proficient with R, Python, SQL, Git and GitHub, and Tableau. Experience with D3.js, SAS, ArcGIS, Alteryx, and Microsoft PowerBI.
- *Professional Interests:* Machine Learning, Data Visualization, Research Methods, Technical Communication.