

Angela Boakye Danquah

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EDUCATION

Master of Science in Data Science, University of Virginia
Cumulative GPA: 3.9/4.0
Charlottesville, VA
May 2023

Honors and Awards: Graduate Fellowship for Inclusive Excellence

Relevant Coursework: Bayesian Machine Learning, Big Data Systems, Deep Learning, Advanced Quantitative Analysis

Bachelor of arts in Statistics and Economics, University of Virginia
Cumulative GPA: 3.56/4.00
Charlottesville, VA
May 2021

Honors and Awards: Dean's List, LEAD Scholarship Recipient

Relevant Coursework: Data Science with R, Data Analysis with Python, Machine Learning, Applied Time Series, Econometrics

PROJECTS

MITRE COUNTERTERRORISM CAPSTONE Sept 2022 – May 2023

- Conducted geospatial risk analysis to examine relationship between opioid use and domestic terrorist organizations with a focus on white supremacist extremists
- Constructed interactive map visualizing geography of opioid use, domestic violence extremism and additional GIS data using Tableau
- Developed tool using results of geospatial risk analysis and machine learning methods to predict locations of high risk for white supremacist terrorism

RECOMMENDER SYSTEM Nov 2022 – Dec 2022

- Designed a collaborative Topic Regression song recommendation engine using Python and Spotify's Web API
- Combined matrix factorization with LDA to enable out-of-matrix prediction and boost performance of traditional recommendation systems

EXPERIENCE

RADIFY LABS, UNIVERSITY of VIRGINIA Charlottesville, VA
Data Analyst Intern
Apr 2020 – Jun 2020

- Drove marketing research project; employed advanced regression techniques in Python, increasing predictive power 11%
- Constructed report using Tableau and Python to translate findings and present to non-technical audience

UNIVERSITY OF VIRGINIA Charlottesville, VA
Content tutor, Athletic Academic Affairs
Oct 2019 – May 2020

- Instructed university athletes in economics, calculus, and statistics, improving grades by average of 13%
- Devised custom lesson plans for each student, addressing areas of needed development

LEADERSHIP

GRADUATE DATA SCIENCE STUDENT COUNCIL Charlottesville, VA
Diversity, Equity, and Inclusion Chair
Nov 2022 – May 2023

- Initiated mentoring relationship with local nonprofit, Computers 4 Kids, to introduce data science concepts and prospects to underrepresented community members

SCHOOL OF DATA SCIENCE INCLUSIVE EXCELLENCE TEAM Charlottesville, VA
Education and Scholarship Pillar
Oct 2022 – May 2023

- Fostered opportunities to incorporate inclusion/belonging into academic and faculty experience
- Organize and Host community outreach and DEI events

SKILLS

Data Engineering Tools: Git, AWS, Spark, Hadoop, Dask, IBM Cloud, Microsoft Azure

Data Analysis Tools: SQL, Python, R, Tableau, Microsoft Office (Word, PowerPoint, Excel, PowerBI),

Certifications & Training: IBM Data Science Certification (Coursera)