DANIEL KORLEY

Website: https://dkorley.github.io/My-Portfolio/

📞 (806) 544-1956   ✉ quayedaniel2@gmail.com

📍 3710 Erskine st, Lubbock, TX 79415   in danielkorley

Research Interests

Artificial Intelligence (AI)
Machine Learning (ML) and Data Mining
Data Science

Skills

- **Technical Skills**
  - Programming languages: Python, R, Matlab, SQL

- **Personal Skills**
  - Written and verbal communication skills
  - Strong ability to contribute effectively as part of a team.
  - Experienced in collaborating with research teams.

Certificate

IBM Data Science	May 2024
Data Science Bootcamp	June 2024

Education

MS	**Texas Tech University,** Applied Mathematics (pending) **Coursework:** Numerical Analysis, Differential Equations, Control Optimization, Applied Analysis, Machine Learning, Control Theory, Biomathematics	August, 2023 - Present
BS	**University of Cape Coast,** Mathematics **Coursework:** Calculus, Probability & Statistics, Algebra, Geometry, Differential Equations	July, 2016 - July, 2020

Experince

Web Developer, Self-Project

- Built a personal portfolio website to hightlight my professional achievements and skills

Texas Tech University, Graduate Part-Time Instructor   Lubbock, TX

- Fall 2024, **Instructor** - Introductory Mathematical Analysis
- Spring 2025, **Instructor** - College Algebra

Ga West Municipal Assembly, Accountant   Accra, Ghana

- Prepared payment vouchers

Sept 2020 - Aug 2021

- Balanced cash book entries

- Payment of withholding tax

Adisdel College, Internship

Cape Coast, Ghana

- Developed and issued educational contents

Aug 2019 - Dec 2019

- Delivered personalized instruction to each student

- Evaluated and documented students' progress

Volunteer Work

Emmy Noether High School Day

May 2024

Professional Society Memberships

- Society for Industrial and Applied Mathematics (SIAM)

Sept 2023 - Present

- The National Society of Leadership and Success (NSLS)

May 2024 - Present

- Ghana Student Association, TTU (GSA)

May 2024 - Present

Report

- Daniel Korley, *"Ministry of Happiness: Measuring the Age Dependent Polarization of Political Preferences in a Russian Society Returning to Authoritarianism"*, Master's Thesis, Texas Tech University (Texas, USA). (Pending)

- Daniel Korley, et al, *"Using Technology to Enhance and Motivate Students' Learning in Cape Coast Metropolis"*, Undergraduate Project, Spring 2020, University of Cape Coast (Cape Coast, Ghana).

Projects

- **Portfolio Website**

  - Designed and developed a personal portfolio website showcasing my skills and projects
  - Implemented using HTML, CSS and JavaScript
  - https://dkorley.github.io/My-Portfolio/

- **SVM Classifier Using Dykstra's Algorithm**

  - Implementation in Python.
  - Achieved over 90% accuracy on the UCI Breast Cancer dataset.

- **Real-Time Stock Market Data Visualization**

  - Built interactive data visualizations using Dash and Plotly.

- Click to check out my GitHub for more projects.