

ELUWUMI FOLAKE PETRUS-NIHI

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OBJECTIVE

I am currently an applied mathematics graduate student with a strong background and training in computer science. I am looking for a position where I can utilize my quantitative skills across broad computer science domains of image and pattern recognition, artificial intelligence, and data analytics.

EDUCATION

MSc, Mathematics *In view*
Texas A&M University, Commerce, TX
Relevant coursework: Image Processing with Elements of Learning, Actuarial Mathematics, Mathematical Statistics.

MSc, Computer Science *July 2021*
University of Witwatersrand, Johannesburg, South Africa
Relevant coursework: Artificial Intelligence, Adaptive Computation & Machine Learning, Large Scale Optimization for Data Science, Human Computer Interaction.

Bachelor of Technology, Computer Science *October 2004*
Ladoke Akintola University of Technology, Ogbomosho, Oyo state,
Nigeria

RELEVANT WORK EXPERIENCE

Graduate Assistant January 2023 - Till date
Texas A&M University, Commerce, TX

- Provided evaluations of student assignments, tests, and labs in Calculus I.
- Reviewed students' work for correctness and provided feedback on the students' understanding of the material in Calculus I.
- Checked students in for exams at the Academic Testing Center, maintained a quiet atmosphere for testing, and assisted in the distribution and collection of test materials.
- Worked with faculty to obtain materials and return them in a timely manner.
- Actively proctored exams.
- Maintained confidentiality and security of all testing materials.

ACADEMIC PROJECTS

- Shape Recognition using K-Nearest Neighbour, Logistic Regression and Artificial Neural Network in Machine Learning Course. This project was to recognize 4 shapes (circle, triangle, rectangle, and square) using K-Nearest Neighbour, Logistic Regression, and Neural Network.
- Poster presentations for Recognition of Shape for Toddlers using Multi-feed neural network, and Predicting Student Success Using Student Engagement in Blended-Learning Course at the Women in Machine Learning conference in 2019, and 2020 respectively.

- Poster Presentation for Importance of Data Re-Sampling and Dimensionality Reduction in Predicting Students' Success at the Women in Machine Learning/NeurIPS conference in 2021.

ACADEMIC AWARDS

Presented with the Best Paper Award for the paper "Prediction of Student Success using Student Engagement with Learning Management System" in IRTM 2021 in association with Taylor and Francis at Kolkata, India on the 26th-28th February 2021.

Presented with the Best Presenter Award for the paper "Prediction of Student Success using Student Engagement with Learning Management System" in IRTM 2021 in association with Taylor and Francis at Kolkata, India on the 26th-28th February 2021.

PUBLICATIONS

1. Eluwumi Buraimoh, Ritesh Ajoodha, and Kershree Padayachee. *Prediction of Student Success using Student Engagement with Learning Management System*. IRTM 2021 (International Conference on Interdisciplinary Research in Technology and Management in association with Taylor & Francis, Kolkata, India. 26th-28th February 2021.
2. Eluwumi Buraimoh, Ritesh Ajoodha, and Kershree Padayachee. *Application of Machine Learning Techniques to the Prediction of Student Success*. The International IoT, Electronics, and Mechatronics Conference (IEMTRONICS 2021) in association with IEEE Vancouver section, Vancouver, Canada.
3. Eluwumi Buraimoh, Ritesh Ajoodha, and Kershree Padayachee. *Importance of Data Re-Sampling and Dimensionality Reduction in Predicting Students' Success*. The 3rd International Conference on Electrical, Communication, and Computer Engineering (ICECCE 2021) in association with IEEE at Kuala Lumpur, Malaysia on 12-13 June 2021.

TECHNICAL SKILLS

- Python and C++ programming languages
- Machine Learning
- Image Processing
- Data analysis
- MS Office, Latex