CHRISANTUS EZE

405-762-1775 | chrisantus.eze@okstate.edu | https://chrisantuseze.github.io | https://www.linkedin.com/in/chrisantuseze

EDUCATION

Oklahoma State University (OSU) | Ph.D., Computer Science (in-view) [Expected: May 2026]

- **Advisor:** Prof. Christopher Crick
- **Research: AI & Robotics**: reinforcement learning, imitation learning, computer vision, self-supervised learning, active learning.

Federal University of Technology, Owerri (FUTO), Nigeria | B.Eng. in Electrical & Electronic Eng October 2013 - October 2018

PUBLICATIONS

- **Chrisantus Eze** and Christopher Crick. A3: Active Adversarial Alignment for Source-Free Domain Adaptation - [under review]
- **Chrisantus Eze** and Christopher Crick. Enhancing human-robot collaboration by exploring intuitive augmented reality design representations. Proceedings of the 18th ACM/IEEE International Conference on Human-Robot Interaction (HRI), 2023

RELEVANT EXPERIENCE

Department of Computer Science, OSU | ***Graduate Student Researcher*** January 2022 - Present

- The primary objective of my research is to enable robots to efficiently grasp and manipulate a wide range of complex objects within various environments. To achieve this, I carry out fundamental deep learning and robotics research involving computer vision, sequence models such as LSTM and Transformers, reinforcement learning, and imitation learning.
- Currently, I am leading a research project that enables robots to grasp and manipulate target objects in densely cluttered environments.

Google Computer Science Research | ***Graduate Student Mentee*** February 2023 - Present

- Participated in a mentorship program wherein I was paired with a Robotics Researcher at Google as my mentor. This program has subsequently led to an ongoing project focused on robot manipulation to retrieve target objects within cluttered environments.

Seamfix Limited, Nigeria | *Software Engineer* January 2019 - December 2021

- I modularized the BioSmart Software Suite for a new client, reducing the need for extra engineers and making it adaptable for multiple clients. This led to a 15% revenue increase.

NON-RESEARCH PROJECTS

Fraud Detection Model

- I addressed the critical need for fraud prevention and detection within a financial institution, aiming to safeguard customer accounts and minimize financial losses resulting from fraudulent activities.
- In pursuit of this objective, I employed machine learning algorithms, including anomaly detection and supervised learning, to analyze transaction data for unusual patterns and behaviors.

Scene Understanding and Segmentation Model

- I implemented a segmentation model to effectively segment a densely cluttered scene. Additionally, I trained a model to calculate the relevance of objects within the scene. Based on this relevance assessment, the model selectively retrieves objects. This system can be applied to enhance object retrieval tasks.

HONORS & AWARDS

- **Computer Science Graduate Research and Leadership Awards at Oklahoma State University** **September 2022**
- **Association for Computing Machinery (ACM) 2022 Hackathon First Place Winner** **March 2022**