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https://kantologist.netlify.com/

github.com/kantologist

ng.linkedin.com/in/azeez-oluwafemi

https://twitter.com/kantologist

Oluwafemi Azeez

Education

Carnegie Mellon University - *Elect/Comp Engineering, M.Sc.* *December 2019*
- Advised by Vijayakumar Bhagavatula
- Relevant Courses: Deep RL (10-703), Statistical Techniques in Robotics (16-831)

University of Ibadan - *Mechanical Engineering, B.Sc.* *March 2015*

Publications

- Arnu Pretorius, Scott Cameron, Andries Petrus Smit, Elan van Biljon, Lawrence Francis, **Femi Azeez**, Alexandre Laterre, Karim Beguir. "Learning to communicate through imagination with model-based deep multi-agent reinforcement learning ". Under review at ICLR 2021.
- Ibrahim Saliu Yusuf, George Igwegbe, **Oluwafemi Azeez**. "Differentiable Histogram with Hard-Binning". Accepted in BAI Workshop 2020.
- Koyama, Yuichiro, **Oluwafemi Azeez**, and Bhiksha Raj. "Efficient Integration of Multi-channel Information for Speaker-independent Speech Separation." *arXiv preprint arXiv:2005.11612* (2020). Submitted to IEEE ICASSP 2021.
- Siddharth Ghiya, **Oluwafemi Azeez,** Brendan Miller "Agent Probing Interaction Policies." arXiv preprint arXiv:1911.09535 (2019).
- **Oluwafemi, Azeez**, Yang Zou, and B. V. K. Kumar. "Deep Classification Network for Monocular Depth Estimation." arXiv preprint arXiv:1910.10369 (2019). Accepted in BAI Workshop 2019.
- **Oluwafemi Azeez** "Unsupervised Domain Adaptation by Optical Flow Augmentation in Semantic Segmentation." arXiv preprint arXiv:1911.09652 (2019). Accepted in BAI Workshop 2019.

Work Experience

Instadeep - *Research Engineer(Team Leader)* Lagos, Nigeria | February 2020
- Responsible for delivering value through contributions to client projects and leading the awesome Nigerian team.

Instadeep - *AI Research Intern* Lagos, Nigeria | *June 2019 - September 2019*
- Deployed a differential privacy app.(https://www.instadeep.com/wp-content/uploads/2019/08/seren_poster_pdf.pdf)

Carnegie Mellon University - *Teaching Assistant* Kigali, Rwanda | January 2019 – May 2019
- Teaching assistant for the course "Introduction to Deep Learning"(http://deeplearning.cs.cmu.edu/)

African Masters in Machine Intelligence at AIMS Rwanda - *Tutor* Kigali, Rwanda | October 2018 – December 2018
- I was a tutor for the course "Foundations of Machine Learning" (https://sites.google.com/view/marcdeisenroth/teaching/201819/foundations-of-machine-learning).

Data Systems Limited - *Software Developer* Kigali, Rwanda | *September 2017 - March 2018*
- Built a SAP checkout manager plugin with Java
- Integrated MIGS payment gateway on a nodejs e-commerce web app
- Contributed to an e-learning platform called Eshuri

Sweskills Academy - *Training Facilitator/Lead Developer* Lagos, Nigeria | *June 2017 - June 2018*
- Facilitated students' software engineering training.
- Lead students on a real project for a client using agile development.

Traclist - *Software developer* Lagos, Nigeria | *Dec 2016- May 2017*
- Building a web app for SME using Flask (A python web framework)
- Optimizing SME web app with angular js, webpack etc.

Hutbay Limited - *Software developer* Lagos, Nigeria |

- Scraped data for research purposes   *July 2016-November 2016*
- Built API with Django and Django rest framework
- Configured Nginx server on Linux, database management, SMTP and FTP

Honors and Activities

Jeremiah N. Mpagazehe Rising Researcher Award   *May 2020*

Co-Organizer Machine Learning for Developing world workshop at NeurIPs   *August 2020*
2020(https://sites.google.com/view/ml4d)

Zindi Ambassador (Nigeria), Zindi Africa(zindi.africa)   *January 2020*

Mentor, CMU AI mentorship program: Mentoring minority undergraduates interested in AI   *September 2019*
research.

Founder, AI Saturdays Kigali(https://twitter.com/AISaturdaysKG)   *August 2018*

Founder, AI Saturday Lagos(https://aisaturdayslagos.github.io/,   *January 2018*
https://twitter.com/AISaturdayLagos)

Mentor/Facilitator, Data Science Nigeria(http://www.datasciencenigeria.org)   *January 2017*

Co-organizer Pydata Lagos(https://www.meetup.com/PyData-Lagos/)   *January 2017*

Lagos winner NASA space apps challenge   *May 2017*
(https://2017.spaceappschallenge.org/challenges/earth-and-us/you-are-my-sunshine/teams/te
ch-kuipers)

Engineering impact award by National Instrument, Austin, Texas   *August 2015*

Winner, Interdepartmental Paper Contest   *December 2014*

Projects

**ChexNet Model Compression for Pneumonia Detection Using Low Powered Edge   *August 2020*
Devices -** https://www.k4all.org/project/chexnet-model-pneumonia/
- We're making an existing pneumonia model work on low powered devices
- I am currently helping to supervise the project

Improving Online Learning Experience using Accent Transfer -   *August 2020*
https://www.k4all.org/project/accent-transfer/
- We have built a webapp for collecting data https://sautidb.web.app/home

MoonRanger -   *November 2019*
https://www.cmu.edu/news/stories/archives/2020/september/moonranger-to-search-for
-water.html
- I helped create thermal simulations using ANSYS

Seren - https://www.instadeep.com/wp-content/uploads/2019/08/seren_poster_pdf.pdf   *June 2019-August 2019*
- A Differential Privacy app

Chownet - https://github.com/AISaturdaysLagos/Chownet-Data-Collection   *January 2018*
- A Local Food Recognition App
- Built a Data Collector Android App
- A community project (Presented at Falling Walls Lab finals)

Price Prediction based on features of a House - http://www.vesper.ng   *April 2018*
- Sourced various house data through web scraping
- Cleaned and built a predictive model using machine learning
- Created an API for exposing the functionality

Radio Shows Recommender Systems - https://www.vibeoo.com/home   *April 2018*
  - Connected to the app's database through python
  - Implemented recommendation using cosine similarity
  - Designed architecture for integration on the platform.

Gtbank SME MarketHub - https://www.smemarkethub.com/   *December 2016 - May 2017*
  - Built Auction system during valentine festival period
  - Built a Unified Cart System.

Quad Cooker -   *November 2014*
https://www.academia.edu/23774226/Quad_Cooker_Triune_Cooker_Plus_Solar_Cooker_With_Tracker
  - A cooker that combines electrical, gas, kerosene and solar power for cooking