

# Ahmed O. Baruwa

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235 Deschutes Hall,  
University of Oregon,  
Eugene, OR 97403-1202

Email: [abaruwa@uoregon.com](mailto:abaruwa@uoregon.com)  
Github: [aobaruwa@github.com](https://github.com/aobaruwa)  
Google Scholar: <https://bit.ly/34SfJK1>  
LinkedIn: [linkedin.com/in/ahmedbaruwa](https://www.linkedin.com/in/ahmedbaruwa)

EDUCATION	<b>University of Oregon</b>	September 2021 – June 2023
	MS in Computer and Information Science Focusing on Data mining and Artificial Intelligence Course Work includes Artificial Intelligence, Machine Learning, Intermediate Data Structures, Intermediate Algorithms High Performance Computing	
	<b>Obafemi Awolowo University</b>	September 2013 – April 2018
	B.S in Electrical Engineering Course Work includes Programming languages, Operating Systems, Intelligent Control, Advanced Probability Theory, Linear Algebra, Digital Systems.	
WORK EXPERIENCE	<b>Graduate Research Assistant</b>	October 2020 – Present
	<b>University of Oregon</b> <ul style="list-style-type: none"><li>Machine Learning for automated 3D body Anthropometry.</li><li>RobustML- Reverse Engineering Adversarially constructed Text</li></ul>	
	<b>Machine Learning Engineering Intern</b>	July 2020 – October 2020
	<b>InstaDeep AI</b> , London, United Kingdom <ul style="list-style-type: none"><li>Empirical Analysis of model compression techniques in Chatbots</li></ul>	
	<b>Research Intern</b>	January 2020 – April 2020
	<b>Data Duality Labs</b> , Lagos, Nigeria	
	<ul style="list-style-type: none"><li>Scraped and digitized 4K parliamentary bills using Image Recognition for flexible law enactment information dissemination on the web.</li><li>Wrote an end-to-end Optical Character Recognition (OCR) tool in PyTorch for complete digitization of blurred parliamentary bills.</li></ul>	
	<b>Data Science Intern</b>	April 2019 – January 2020
	<b>KPMG</b> , Victoria Island, Lagos, Nigeria	
	<ul style="list-style-type: none"><li>Wrote an end-to-end "speech2text" API for a speech sentiment classification system.</li><li>Built ETL tools for analyzing financial data collected on spreadsheets</li><li>Designed interactive dashboards for remote monitoring of data from user activity in commercial entities.</li></ul>	
TEACHING EXPERIENCE	<b>Laboratory Grader</b>	July 2018 – Oct 2018
	<b>Fundamentals of Electrical Engineering Laboratory I (EEE 291)</b> <ul style="list-style-type: none"><li>Selected and recognized among top 10% students in my program.</li><li>Participated in grading Laboratory Reports and got monetary rewards for it.</li></ul>	
	<b>Laboratory Grader</b>	Jan 2019 – March 2019
	<b>Fundamentals of Electrical Engineering Laboratory II (EEE 292)</b> <ul style="list-style-type: none"><li>Selected and recognized among top 10% students in my program and;</li><li>Participated in grading Laboratory Reports and got monetary rewards for it.</li></ul>	

<b>LEADERSHIP ACTIVITIES</b>	<b>Co-founder</b> , Data Science Nigeria (DSN), Ife Chapter. <ul style="list-style-type: none"> <li>Organized Hackathons and Tutorials for Aspiring Student Programmers in colleges.</li> </ul>
<b>AWARDS AND HONORS</b>	<b>Petroleum Tertiary Development Fund (PTDF) Scholarship</b> 2015 – 2018 <ul style="list-style-type: none"> <li>Covered full tuition and monthly stipends</li> <li>Selected for being among top 3% of entire Faculty of Engineering</li> </ul> <b><i>First Place:</i></b> Data Science Competition October 2018 (https://www.kaggle.com/c/dsn2018intercampus/leaderboard)
<b>INVITED TALKS</b>	<b>Demystifying Reinforcement Learning and Understanding its Applications</b> August 2020 Ladoke Akintola University of Technology (LAUTECH)  <b>Hyperparameter Optimization in Machine learning Modeling</b> December 2018 Obafemi Awolowo University (OAU)
<b>CONFERENCES ATTENDED</b>	<b>International Conference on Machine Learning (ICML)</b> July 2020 Participated in the conference and several of its workshops majorly focusing on Reinforcement Learning, Natural Language Processing, AI for Healthcare.  <b>European Chapter Association of Computational Linguistics(EACL)</b> Feb 2021 Oral Paper presentation: Ìtākúròso: DialoGPT for Natural Language Generation of Yorùbá Dialog
<b>PUBLICATIONS</b>	<b>Quality at a Glance: An Audit of Web-Crawled Multilingual Datasets</b> March 2021 <i>In proceedings of EACL 2021</i>
<b>SOFTWARE SKILLS</b>	<b>Coding:</b> Python (NumPy, SciPy, Pandas), C, MATLAB, Julia <b>Machine Learning:</b> PyTorch, TensorFlow, Trax, scikit-learn <b>Visualization:</b> Matplotlib, Seaborn, PowerBI