

# VICTOR OJEWALE

Data Science Institute, 164 Angell St, Providence, RI 02906

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## EDUCATION

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### **Brown University, RI, USA**

2023 -

Ph.D. in Computer Science(Center for Tech Responsibility, Reimagination and Redesign - CNTR)

Advised by Suresh Venkatasubramanian

### **University of Ibadan, OY, NG**

2015-2020

BSc. in Computer Science

## RESEARCH EXPERIENCE

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### **Brown University - The CNTR**

Oct 2023 - Present

*Graduate Fellow*

- Collaborating with Prof Suresh Venkatasubramanian to develop a tool for auditing ChatGPT interactions, focusing on responsiveness in diverse socio-environmental contexts.
- The project emphasizes building a user-centric audit framework, facilitating ease of use and anonymity in reporting problematic AI interactions.
- Aims to lay foundational work for comprehensive AI accountability, leveraging user feedback to guide future research and development in the field.

### **Brown University - RISE Lab**

Nov 2020 - Present

*Research Assistant*

- Working with Prof. Malik Boykin in building a psychology research software that captures users' preferences of different performance metrics of ML algorithms. Participating in drafting tutorials for participants in research survey.

### **Mozilla Foundation - Open Source Audit Tooling(OAT) project**

July 2022 - Present

*Research Assistant*

- Working with Deb Raji on Mozilla's Open Source Audit Tooling (OAT) Project to identify the resources and tools needed to support algorithmic auditors and to make thorough and consequential AI scrutiny the status quo.

### **Project Mamome**

June 2021 - August 2022

*Research Assistant*

- Investigating Gut Microbiome of Pregnant for the mitigation of Gestational Diabetes Mellitus(GDM)
- Building pipeline for the end-to-end analysis of samples from sequence reads to taxonomic classifications including quality filtering and other downstream tasks.

## OTHER EXPERIENCE

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### **SeqHub Analytics LLC**

Nov 2020 - Sept 2023

*Data Scientist*

- Facilitated a 3-week training on getting started with LLMs using tools like langchain and huggingface spaces for high school students.
- Leads the Technical team in Nigeria, development of In-house Summarisation Engine for PDFs with BERT, involved in implementing MongoDB backend for emotional analytics pipeline, Worked on new capabilities for the company's flagship conversational AI agent for assisting Teachers in reallocating 20 - 40of administrative time to activities that directly support the student.

**SeqHub Analytics LLC**

July 2020 - Nov 2022

*Data Science Intern*

- Contributed to internal software development projects with machine learning integrations in the context of Natural Language Processing(NLP).
- Introduced to Genomic Data Science with qiime2 for microbiome analysis.

**Information Technology Unit, College of Medicine, U.I.**

Oct 2019 - May 2020

*Student Intern*

- Maintenance of the institution’s website using HTML, CSS, javascript, and PHP
- Assisted clients in solving computer-related issues and software fixes in the help desk unit.
- Participated in Software Requirements Gathering for in-house built software from the finance unit.

**PUBLICATIONS****Towards AI Accountability Infrastructure: Gaps and Opportunities in AI Audit Tooling***2024*

Under review

**AI Auditing: The Broken Bus on the Road to AI Accountability***2024*Abeba Birhane, Ryan Steed, **Victor Ojewale**, Briana Vecchione, Inioluwa Deborah Raji;

Under review

**TECHNICAL STRENGTHS****Machine Learning**

Scikit-Learn, Tensorflow, PyTorch, NLTK, DialogFlow

**Data Science**

Pandas, Matplotlib, Numpy, Tableau, Streamlit, BeautifulSoup, ScraPy, Spacepy, Davitpy, Jupyter

**Software Engineering**

Flask, React, Laravel, Linux, MongoDB

**Bioinformatics**

qiime2

**SELECTED INDEPENDENT COURSEWORK**

Deep Learning Specialization, Deeplearning.ai

Introduction to Applied Machine Learning-Alberta Machine Learning Institute

Introduction to TensorFlow for Artificial Intelligence, ML and DL - Deeplearning.ai

**HONOURS, AWARDS AND RECOGNITIONS**

Winner, “Can you hack the Future” Ideathon

*Spring 2020*

Winner, Best Problem Documentation (AI Commons Health Hackathon)

*Spring 2020*

Nomination as Programmer of the Year (Final Year Category)

*Summer 2019***SELECTED VOLUNTEERING AND COMMUNITY SERVICE****Tiny & Great Inc.**

2022 - Present

*Program Manager*

Planning and facilitating innovative education enrichment, which includes school club outreaches, summer immersion outreaches and Vision for education empowerment (VEE) programs in Nigeria.

**Data Science Nigeria AI Invasion**

Nov 2021

*Data Science Tutor*

Facilitated classes for 5 days of full machine learning immersion at the University of Osun.

**DSN AI+ Club, U.I.**

2020

*Community Facilitator*

Evangelized AI literacy and facilitated multiple Python and ML training for the community in the University of Ibadan.

**National Association of Computer Science Students House of Representatives 2019/2020**

*Student Representative*

- Served on committees overseeing departmental policies with regards to student welfare and collaborated with faculty and students to enhance educational and social environments.

**Alagbagba Summer School**

2019

*Music Tutor*

Taught music classes to students in a rural settlement for continuous education purposes and also assisted in providing supervision of the student class segmentations.