

# JOLOMI TOSANWUMI

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## OBJECTIVE / SUMMARY

Jolomi Tosanwumi is a research assistant at Data Driven Decision Making Lab in University of Toronto. **With over 5 years experience** working with data, he has developed expertise in creating useful and intelligent solutions across financial services and research. He has a penchant for applying data science and machine learning in corporately solving problems and meeting organizational goals. He is self-driven, enjoys working with data, and is interested in using machine learning and deep learning for descriptive, diagnostic, predictive and prescriptive data analysis.

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## SKILLS

- Data Science, Machine Learning, Deep Learning, Data Visualization, Data Storytelling, Statistical modeling, Causal Inference, Bayesian Inference, time series analyses.
  - Python, R, Tensorflow, Keras, Pytorch, SQL, Google Big Query, PySpark, Power BI, Tableau, Git, AWS, GCP.
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## EDUCATION

**University of Toronto** Jan. 2023 Dec 2024.

- Program: MASc, Industrial Engineering.
- Research Area: **Applied Machine Learning**
- CGPA: 3.85/4

**University of Benin** Mar. 2014 Oct.2018.

- Program: BEng. Mechanical Engineering.
  - CGPA: 3.208/4
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## WORK EXPERIENCE

**Data Driven Decision Making (D3M) Lab** | Toronto, ON, Canada. Jan. 2023 Dec 2024.

### Graduate Research Assistant (Applied Machine Learning)

- Research Area: Optimization Models for Temporal Clustering (under the supervision of Professor Scott Sanner).
- Built a new python package called **"tscluster"** solves a decade old problem in time series clustering by allowing for flexibility in changes in the cluster centers and labels.

**Turing** | Palo Alto, CA, USA (Remote). May 2022 Dec 2022.

### Data Scientist

- Used Google Big Query, Mode, and Google Analytics to create dashboards for the Growth team to monitor ads and key metrics.
- Used Python to build an experimental machine learning model with promising increase in sales-qualified lead (SQL) rate of about 3%.

**QuickCheck** | Lagos, Nigeria. Oct. 2021 Dec 2022.

### Data Scientist

- Used Python and SQL to develop credit scoring models and machine learning models for Quickcheck and JumiaPay apps that reduced their default rates by 4%.
- Created dashboards for the Operations team to monitor trends and to improve operational process excellence using Metabase, Power BI.

**Utiva** | Lagos, Nigeria. May 2021 Dec 2022.

### Data Analytics/SQL Instructor

- Tutored over 500 students (including employees of Diageo) in data analytics with PostgreSQL which contributed to

BrilloConnetz | Lagos, Nigeria.

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Mar. 2021    Oct. 2021.

- Data Scientist

- Used machine learning and natural language processing (NLP) to build a rare disease diagnostic system and achieved an accuracy of 95%.

Hamoye A.I. Lab | Lagos, Nigeria (Remote).

Jul. 2020    Dec. 2020.

- Data Science Intern

- Led a team of data scientists to build a credit card fraud detection model using Tensorflow with an f1 score of 87.9%
  - Led a team to build an LSTM model (using Tensorflow) to forecast Bitcoin prices and obtained a MAPE score of 1.79%.
- Jul. 2020    Dec. 2020.

Ediene Community Secondary School | Akwa Ibom, Nigeria.

Jul. 2019    May. 2020.

- Further Mathematics Teacher

- Taught 10th grade high school students Algebra, Calculus, and Statistics

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