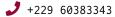
Koomi Toussaint AMOUSSOUVI



in koomi-toussaint-amoussouvi



About me

Passionate AI enthusiast and data scientist, currently a Google DeepMind Scholar in the AI for Science program at AIMS South Africa. I have a solid foundation in AI, statistics, coding and a strong drive to innovate. I am eager to bring these skills to impactful, real-world applications in Industry.

Education

Sep 2024 – Present

MSc. AI for Science, African Institute of Mathematical Sciences (AIMS–South Africa).

Oct 2021 - Feb 2024

MSc. Statistics, University of Abomey-Calavi, Benin Thesis title: Assessing the potential seasonality of COVID-19 dynamics in Africa: a mathematical modeling study.

Oct 2017 - May 2021

BSc. Applied Statistics, University of Abomey-Calavi, Benin.

Thesis title: Determinants of monetary and non-monetary poverty in the Atacora department of Benin.

Work Experience

Sep 2022 - Oct 2022

- Assistant Data Analyst, Department of Agricultural Statistics (DSA), Cotonou-Benin.
 - Contributed to auditing and cleaning databases for Benin's agricultural sectors, merging and preparing 2021–2022 data in Excel and SPSS, and handling outliers and missing values.
 - Contributed to the development of a performance matrix for plant sectors by calculating annual growth rates and compiling projections to support strategic planning.

Oct 2020 - Jan 2021

- Internship, Department of Demographic Studies, National Institute of Statistics and Demography (INStaD), Cotonou Benin.
 - Contributed to data entry and processing for the Survey on Migration in Benin (EMB2) using CSPro and Excel.

Projects

Oct 2024

Recommendation System on MovieLens Dataset, AIMS-South Africa.

Repository: https://github.com/koomited/recommendation_system.

Report: https://drive.google.com/file/d/1pscvh85kVjZvfR4U0_bmvzNGy_7QfOnp/view?usp=sharing.

Deployed app: https://movielens-recommender-system.streamlit.app/.

Supervisor: Dr. Ulrich Paquet, DeepMind Research Scientist and Director of AIMS South Africa.

Skills

Coding PHP, Python, sql

Databases Mysql, Postgresql, sqlite

DevOps Docker, Git

Languages Proficient in English and French (spoken and written)

Awards and Achievements

Sep 2024 - Jul 2025 Google DeepMind Scholarship, African Institute of Mathematical Sciences (AIMS–South Africa).

Nov 2021 - Oct 2023 Scholarship Award for Masters Study, European and Developing Countries Clinical Trials Partnership (EDCTP 2) Grant.

Dec 2019 Honor Roll & Department Prize, Outstanding Student Performance, ENEAM, Benin.

Certifications

Jul 2023 - Aug 2023 Interactive Track and Deep Learning Project, Neuromatch Academy.

Apr 2023 - May 2023 Applied Data Science Lab, WorldQuant University.

Oct 2022 - Apr 2023 Advanced Statistical Methods in Epidemiology, Awarded by London School of Hygiene & Tropical Medicine | LSHTM.

Volunteering

Nov 2021 - Jan 2022 Research assistant for BSc thesis, Determinants of non-performing loans (NPLs) at UBA bank in Benin.

Fev 2021 - Apr 2021 Research assistant for BSc thesis, Influence of access to safe drinking water on the prevalence of diarrheal diseases among children under five in Benin.

Referees

Prof Claire David

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claire@aims.ac.za

Prof Ulrich Paquet

AIMS-South Africa,

ulrich@aims.ac.za