Exaucé Luweh Adjim Ngarti

PhD Student
Deep Learning for Physics-Based Numerical Simulations
Eviden and Inria

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GitHub Profile
LinkedIn Profile

Experience

•Eviden and Inria *March 2023 - Current*
Machine Learning PhD Student Grenoble
– Uncertainty Quantification for Physics Inverse Problem
– Deep Bayesian Variational Inference
– Deep Generative Models
– Computationally-intensive Physical Simulations on HPC platforms

•Atos *March 2022 - August 2022*
Machine Learning Intern Researcher Grenoble
– Uncertainty Quantification
– Deep Learning for Physics Inverse Problem
– Bayesian Variational Inference

Technical Skills and Interests

Languages: Python, C, R, Javascript, PHP, Java, MATLAB
Developer Tools: RStudio, Git, Flask, My SQL, Slurm
Frameworks: PyTorch, Pyro, Keras, Scikit-learn, Numpy
Cloud/Databases: Neo4J, MySQL, GCP, AWS, HPC Plateforms
Environment: Unix, DevOps, CI/CD tools, Agile methodology (Scrum and Kanban)

Education

•University of Grenoble Alpes *March 2023-Current*
PhD in Applied Mathematics, Deep Learning Techniques for Physics-Based Numerical Simulations

•University of Bordeaux *2020-2022*
MSc in Applied Mathematics & Statistics, Specialization in Statistical & Stochastic Modeling Graduated with honors

•University of Bordeaux *2017-2020*
Bachelor's degree in Mathematics, Applied Mathematics and Social Sciences or Computer Science Graduated with honors

Positions of Responsibility

•Mathematics Teaching Assistant, University of Grenoble Alps *2023-2024*

•Educational Affairs Officer, Union of Chadians Students in Bordeaux *2020-2021*

•Mathematics Tutor, University of Bordeaux *September 2020 - May 2021*

Talks and Presentations

•Robust Calibration of Numerical Models, Poster CIRM, Marseille *October 2023*

•Deep Learning For Robust Calibration, Poster MascotNum, Giens *April 2024*

Awards and certifications

•National Label of Excellence in Statistics and Computing CMI Credential ID N° UNBX22ISIF1938