HENRI AÏDASSO

Data Scientist at Energiency
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LANGUAGES

French: Native Language — **English**: Professional working proficiency — **Fon**: Native Language

RESEARCH INTERESTS

Machine Learning, Deep Learning, Continual Learning, Reinforcement Learning, Optimization, Distributed Systems, Software Engineering.

EDUCATION

Master of Science, Computer Science	2020 — July 2022
Faculty of Computer Sc. and Electronics, University of Rennes 1, France.	GPA: **3.85/4**
Big Data - Business Intelligence and Machine Learning.	
Bachelor of Science, Computer Science	2019 — 2020
Faculty of Computer Sc. and Electronics, University of Rennes 1, France.	GPA: **3.84/4**
IT Methods Applied to Management (MIAGE course).	
Bachelor of Science - MS, Computer Sc. Applied to Management	2014 — 2017
Faculty of Computer Sc. and Electronics, University of Abomey-Calavi, Benin.	GPA: **3.80/4**
Computer Analysis and Programming.	

SKILLS

Machine Learning (3 years). **Progamming**: Python (4 yrs), Java (5+ yrs), C++ (1 yr), Bash (1 yr), PHP (5+ yrs), Node.js (3 yrs), Javascript (5+ yrs), Kotlin (2 yrs). **Databases** (5+ yrs). **DevOps** (3 yrs). **Mathematics**.

Frameworks: Scikit-learn, TensorFlow, Keras, FastAPI, Laravel, SpringBoot, Sails.js, Vue.js, Android SDK, Qt, Apache Spark.

HONORS AND AWARDS

Trophy of excellency	2017
Best student in Computer Sc. Applied to Management awarded by the *Club des Elites* of UAC	
National Mathematics Champion	2014
One of the 4 winners of the selection championship to IMO 2014, Cape Town - South Africa	

INDUSTRY EXPERIENCE

Data Scientist	Sep 2020 - Present
Energiency · Apprenticeship	*Rennes, France*

- Improving the energy performance of industries 4.0: Time-Series forecasting, systems simulation (digital twin), data visualisation, critical features determination (Colab, sklearn, tensorflow, seaborn)
- Modern prediction cloud-based application stack developed/maintained for scaling: hundreds of models in production for "live" training and forecasting (Python, FastApi, Celery, Pytest, Docker, PostgreSQL)
- Refactored the historical data science "large class" into an internal python package: simpler installation, bugs reduction, versioning, documentation, and maintainable code (Python, Docker, Pytest) .

Information Technology Developer May 2020 - Aug 2020
Worldline · Internship *Rennes, France*

· Configured monitoring tools for *Tap2Use* application portals and presented supervision reports on a weekly basis.
· Developed bash scripts that generate a daily monitoring dashboard for distributed NoSQL databases.

Software Engineer Nov 2018 - Nov 2019
Arriauz Services Santé · Independent *Cotonou, Benin*

· Architecture design and development of a health service android application *Dis-moi Doc*: instant chat with a doctor, drug prices, reminders - noted 3.9/5 on Google Play Store with 15.000+ users.
· RESTful web service, administration panel, landing page and internal library developed.

Software Developer May 2019 - Jul 2019
RINTIO · Independent *Cotonou, Benin*

· Developed an android application *MyIndikme* which is an address book interface for their address indication service *Indikme*: a solution to the addressing problem in (West) Africa.
· Multiple social logins implemented: Google, Facebook, Twitter and LinkedIn.

Software Developer Oct 2018 - Dec 2018
JMA Plus · Independent *Cotonou, Benin*

· Developed an android application *Pharmawine* for the follow-up of the surveys carried out by the medical visitors and the sale of pharmaceutical products to pharmacies, doctors, and medical centers.
· Collaborative design of the system's architecture.

Web Developer Nov 2017 - Jan 2018
Autonomous Port of Cotonou · Internship *Cotonou, Benin*

· Co-developed a web application for the management and control of temporary access tickets, which, compared to the existing system, ensures data consistency, faster access, better data security and encryption of sensitive data for thousands of users.

Software Developer May 2017 - Dec 2017
MSS Sarl · Part Time *Cotonou, Benin*

· *MSS Circle* android app developed for the enterprise's partners network of 500+ users.

ACTIVITIES

Vice President of the Student Office in MIAGE Rennes 2020

Secretary-General of the Association of Computer Science Students 2017

VOLUNTEERING

Information Technology Educator 2015
Participated in the EduGh project of AIESEC in Legon *Accra, Ghana*

REFERENCES

Dr. Mickael Foursov
Professor in Computer Science
Researcher at IRISA/INRIA, Druid Team
Director of the MIAGE program
University of Rennes 1
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Dr. Simon Malinowski
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Researcher at IRISA/INRIA, Linkmedia Team
Head of the Big Data: Business Intelligence and Machine Learning Master
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