

# HENRI AÏDASSO

Data Scientist at Energiency  
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<https://henriaidasso.me>

## LANGUAGES

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

## RESEARCH INTERESTS

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

## EDUCATION

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**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  
Department of Computer Sc. and Management, University of Abomey-Calavi, Benin. GPA: **3.80/4**  
Computer Analysis and Programming.

## SKILLS

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**Machine Learning** (3 years). **Progammig:** 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

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**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

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**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: dozens 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**

Worldline · Internship

May 2020 - Aug 2020

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**

Arriauz Services Santé · Independent

Nov 2018 - Oct 2020

Cotonou, Benin

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

**Software Developer**

RINTIO · Independent

May 2019 - Jul 2019

Cotonou, Benin

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

**Software Developer**

JMA Plus · Independent

Oct 2018 - Dec 2018

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 and web services.

**Web Developer**

Autonomous Port of Cotonou · Internship

Nov 2017 - Jan 2018

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**

MSS Sarl · Part Time

May 2017 - Dec 2017

Cotonou, Benin

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

**ACTIVITIES**

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**Vice President** of the Student Office in MIAGE Rennes

2020

**Secretary-General** of the Association of Computer Science Students

2017

**VOLUNTEERING**

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**Information Technology Educator**

Participated in the EduGh project of AIESEC in Legon

2015

Accra, Ghana

## REFERENCES

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**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**

Professor in Computer Science (AI)  
Researcher at IRISA/INRIA, Linkmedia Team  
Head of the Big Data: Business Intelligence and Machine Learning Master  
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**Dr. Aymeric Hervieu**

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