

HENRI AÏDASSO

Ph.D. Student at ETS Montréal
Data Scientist — ML Engineer — Software Engineer
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LANGUAGES

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

RESEARCH INTERESTS

Machine Learning, Deep Learning, Machine Learning Engineering, Software Engineering, Distributed Systems, DevOps, Software Architecture, AIOps, SE4AI.

EDUCATION

- PhD, Engineering** 2022 — Present
Department of Software and IT Engineering, Ecole de Technologie Supérieure, Canada.
Computer Systems Architecture Laboratory.
Topics: DevOps, Machine Learning, Statistical Analysis, Distributed Systems, AIOps
- MSc, Computer Science** 2020 — 2022
Faculty of Computer Sc. and Electronics, University of Rennes 1, France.
Big Data: Business Intelligence and Machine Learning.
GPA: **3.80/4** (valedictorian)
- BSc, Computer Science** 2019 — 2020
Faculty of Computer Sc. and Electronics, University of Rennes 1, France.
IT Methods applied to Management.
GPA: **3.84/4** (valedictorian)
- BSc, Computer Science applied to Management** 2014 — 2017
Department of Computer Sc. and Management, University of Abomey-Calavi, Benin.
Computer Analysis and Programming.
GPA: **3.80/4** (valedictorian)

SKILLS

Machine Learning (3 years). **Programming:** Python (5 yrs), Java (7 yrs), PHP (5+ yrs), Node.js (4 yrs), Javascript (5+ yrs), Kotlin (3 yrs), C++ (1 yr), Bash (2 yrs). **Databases** (7 yrs). **DevOps** (4 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 (International Mathematical Olympiad)
2014, Cape Town - South Africa

INDUSTRY EXPERIENCE

Data Scientist

Sep 2020 - Aug. 2022

Energency · Apprenticeship

Rennes, France

- Improving the energy performance of industries 4.0: Time-Series forecasting, Systems simulation with digital twins, Data analysis, Process anomalies detection (Scikit-learn, TensorFlow, Seaborn, AWS)
- Modern prediction cloud-based application stack developed/maintained for scaling: dozens of models in production for live training and forecasting (Python, FastApi, Celery, PostgreSQL, CI/CD)

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 - Oct 2020

Arriauz Services Santé · Independent

Cotonou, Benin

- Architecture design, development and maintenance 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 libraries developed.

Software Developer

May 2019 - Jul 2019

RINTIO · Independent

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

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 and web services.

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

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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