

## PERSONAL INFORMATION

### Fenosoa Randrianjatovo

 Km2 route de Joal (Centre IRD), Mbour, Senegal.

 +221 77 86 689 01

 frandrianjatovo@aimsammi.org

 [Fenosoa Randrianjatovo](#)

 <https://github.com/FenosoaRandrianjatovo>

Gender Male | Date of birth 30 October 1994

## EDUCATION

January, 2022 – present

### Master's degree in Machine Intelligence, AMMI Senegal

Grade: Ongoing ...

The African Masters of Machine Intelligence (AMMI) is an intensive research graduate program in Artificial Intelligence and its applications.

Scholarship awarded by **Google AI** and **Meta AI**.

May, 2020 – October, 2020

### Certificate in Management and Technology, ESMT Berlin

Grade: Distinction

The European School of Management and Technology, Berlin.

Scholarship in partnership with **DAAD** and **AIMS South Africa**.

6-month intensive training covering all of the major fields in Business and Management.

2019 – 2020

### Master's degree in Mathematical Sciences, AIMS Rwanda

Grade: Distinction

The African Institute for Mathematical Sciences (AIMS) in Rwanda

Msc with *speciality in Operator Theory and Quantum Computing*

Scholarship awarded by **Next Einstein Initiative** and **MasterCard Foundation**.

2018 – 2019

### Master I in Fundamental Mathematics

Grade: Very good

University of Antananarivo, Madagascar

*Speciality:* Probability and Analysis.

2014 – 2018

### Bachelor's degree in Mathematics and Computer Science

Grade: Very good

University of Antananarivo, Madagascar

*Speciality:* Analysis and Numerical Method

## PROJECT, INTERNSHIP AND CONFERENCE

23 Mar 2021 – 30 Sept

### Intern at Martin Pêcheur Madagascar

Data Analyst, tools: SQL Server, SQL, Python, R

8 Sep 2020 – 10 Mar 2021

### Project about AIMS web site for Booking Appointments during the COVID-19 season

Web application to help the employees at AIMS to book before coming to work, AIMS Rwanda

- Creating a platform for AIMS employees
- Manage the Data Base for the Hosting.
- Web application based on CSS3, HTML3 and Php
- Assist the maintenance and the security

21 Sep 2020 – 15 dec 2020

### Intern Tutor at AIMS Rwanda

The African Institute for Mathematical Sciences , AIMS Rwanda

- Assist lecturers
- Assist the IT Manager
- Complete administrative tasks
- Assist with academic quality assurance.
- Assist with library maintenance
- Assist in logistics

Feb 2020 – June 2020

### Master's Project

AIMS Rwanda

- Title: "Approximately Finite Dimensional  $C^*$ -algebras" - Supervisor: Dr. Rupert Levene, University College Dublin - Description: Give an insight on the "Theorem related to Bratteli Diagram with CAR Algebra"

10 April 2020

### Mathematical Sciences Conference (MSC)

AIMS Rwanda

- Speaker - Description: I gave a presentation related to Quantum Information and Computing focused on Quantum Cryptography( Protocol BB84)

## ADDITIONAL TRAINING

28 Feb 2021 – present

### Data Analysis and Machine Learning Real World projects in Python

Udemy. Online platform

- Predict Prices of Airline Tickets
- Covid-19 Data Analysis
- Amazon Customers Data Analysis
- Predict status of Chronic kidney disease
- Hotel Booking Data Analysis Processing
- Finance Data Analysis
- Predict the cancellation of Hotel Booking
- Uber New York Data Analysis

2 Apr – 20 Sep 2020

### Machine Learning, Deep Learning and Artificial Neural Networks

Udemy, (Online)

- Big Data and quantitative research method
- Data Preprocessing
- Convolution Neural Network
- Recurrent Neural Network
- ANN Intuition
- Natural Language Processing
- Regression and Classification
- Deep Neural Network
- CNN Intuition
- Recommender Systems

## VOLUNTEERING

June 2021 – Jan 2022

### Young Men's Christian Association (YMCA ) Madagascar

YMCA is a worldwide youth organization based in Geneva, Switzerland

- We offer food and water for vulnerable young people in South of Madagascar
- We offer a free training ( Life Skills ) for young children.

**International Voice for Youth STEM**

United States of America and Kigali

- Motivate high school or undergraduate students to do science
- Assist high school students from Kigali with their homework or issues they might have during the week
- Managing the interaction between the students and their peers in the United States of America through Skype, this will increase their communication skills.

3 Feb 2020

**Outreach Training Program**

Eastern province of Rwanda

- Train the high school students to be effective in sciences
- Motivation speech and interaction with other teachers especially in the Village

**PERSONAL SKILLS****Communication skills**

- Team work: I am experienced at working in a team, essentially where I can exchange ideas and bring my contribution to the team.
- Presentation skills: During my stay at AIMS Rwanda and Senegal, I did a several presentations .
- Intercultural skills: I have studied and worked for 2 year and half at AIMS where I met a lot of people from different countries and culture.

**Programming skills**

Matlab, Sagemath, R, C, C++, C#, Php, Mysql, HTML, CSS, Fortran, Javascript, JQuery, Ajax, Symfony, React, Python, Keras, Scikit-learn, Tensorflow, Pytorch, AWS

**Computer skills**L<sup>A</sup>T<sub>E</sub>X, LibreOffice, Microsoft Office, Azure, Power BI, Linux, Windows.**REFERENCES**

- Prof. Blaise Tchapannda, Academic Director and Researcher at AIMS Rwanda. [blaise.tchapnda@aims.ac.rw](mailto:blaise.tchapnda@aims.ac.rw)
- Dr Rupert Levene, Lecturer at the University College Dublin. School of Mathematics and Statistics in Ireland. [rupert.levene@ucd.ie](mailto:rupert.levene@ucd.ie)
- Dr Hove Kouevi, Research Fellow in Data Science at Quantum Leap Africa. [ahove@quantumleapafrica.org](mailto:ahove@quantumleapafrica.org)