

## PERSONAL INFORMATION

### Fenosoa Randrianjatovo

 Kigali, Rwanda

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Gender Male | Date of birth 30 October 1994

## EDUCATION

May, 2020 – July, 2020

### Certificate in Management and Technology, ESMT Berlin

The European School of Management and Technology, Berlin

Scholarship in partnership with DAAD and AIMS South Africa.

3-months intensive training covering all of the major fields in Business and Management.

2019 – 2020

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

AIMS Rwanda

Grade: Distinction ( Highest possible grade)

Scholarship awarded by The Next Einstein Initiative and MasterCard Foundation.

2018 – 2019

### Master I (first year of Master) in Fundamental Mathematics

University of Antananarivo, Madagascar

*Speciality:* Probability and Analysis

2014 – 2018

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

University of Antananarivo, Madagascar

## PROJECT, INTERNSHIP AND CONFERENCE

8 September 2020 – ongoing

### 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 September 2020– ongoing

### Intern Tutor at AIMS

The African Institute for Mathematical Sciences , AIMS Rwanda

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

February 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

2 April – 20 September 2020

## Machine Learning, Deep Learning and Artificial Neural Networks

Udemy, (Online)

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

7 July – 28 July 2020

## NITheP Mini-School on Quantum Computing

National Institute for Theoretical Physics (NiTheP) , Online courses form NiTheP

- Introduction to Quantum Mechanics
- Quantum Information Processing
- Moore's Law
- Introduction to Quantum Computing
- Shor's Factoring Algorithm.
- Quantum Algorithm

## VOLUNTEERING

Dec 2019 – June 2020

## 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 February 2020

## Teacher Training Program

Eastern province of Rwanda

- Train the high school teacher to be effective in terms of motivating the students to do science
- Motivation speech and interaction with other teachers especially in the Village

## PERSONAL SKILLS

Mother tongue(s)

Malagasy

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	B2	C1
French	C2	C2	C1	C1	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
Common European Framework of Reference (CEF) level

**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, I did a sevarale presentations .
- intercultural skills: I have studied 1 year 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, Fotran, Javascript, Python, Tensorflow, Pytorch

**Computer skills** L<sup>A</sup>T<sub>E</sub>X, Libreoffice, Microsoft Office, Linux, Windows.

## REFERENCE

- Prof. Blaise Tchapnda, Academic Director and Researcher at AIMS Rwanda.  
[blaise.tchapnda@aims.ac.rw](mailto:blaise.tchapnda@aims.ac.rw)
- Dr Rupert Levene, Lecturer at the UCD School of Mathematics and Statistics in Ireland  
[rupert.levene@ucd.ie](mailto:rupert.levene@ucd.ie)