

# Jeannine UWINGABIRE - Curriculum Vitae

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## CONTACT

INFORMATION Email: jeannine.uwingabire@aims.ac.rw  
Mobile: +250-784-201-548  
Home Address: Kigali-Rwanda

## SUMMARY

A mathematician specialized in Data Science and with a background in applied mathematics and statistics with Python, R and other programming Languages. I am interested to apply mathematics in Data Science and Data analysis, networking, finance, Health and agriculture to solve real world life problems.

## EDUCATION

**African Institute for Mathematical Sciences (AIMS)** 2019-2020  
**Master of Science in Mathematical Sciences**

Specialization: Data Science

Courses: Operation Research, Big Data and Machine Learning, Financial Mathematics, Programming in Python, Probability and Statistics, Partial Differential equation, Statistical regression with R.

**University of Rwanda (UR)** 2015-2019 **Bachelor of Sciences in Mathematics**

Specialization: Applied Mathematics

Courses: Financial Mathematics, Inferential Statistics, Probability and Statistics, Operation Research, Introduction to Matlab, and Dynamical System (Stochastic Process).

## WORK EXPERIENCE

**Ishango Data Science Fellowship program**  
**Philip Morris International (PMI) in US**

- Research Tobacco field identification (case study: Malawi and Mozambique).
- using Remote sensing for sentinel data, landsat data and Modis data
- use of Amazon sagemaker

- Practicing Gitflow, CI/CD, data wrangling, exploratory data analysis
- Specializing Docker, Jupyter, Altair

### **Research**

Curent **Rwanda**

### **Environmental Management autholity**

- Research on Statistical Analysis of women contribution in Aquaculture and Fisheries Sector.
- Data collection
- Data entry
- Data visualisation

### **Work place as Data Analyst**

2020

### **AIMS - Teacher Training Program (AIMS-TTP)**

- Using R in data analysis to generate the word clouds and different graphs.
- Creating a pivot tables Using Excel and to generate a clean report in tabular form.
- Data colection, data cleaning, data visualisation and data interpretation

### **Data analysis intern**

2019

### **Rwanda Stock Exchange (RSE)**

- Opening market, closing market and conducting the report.
- Learned how to interact with clients.
- Sharing the necessary information about how companies tend to improve management standards and efficiency.
- Helping population to understand about buying bonds and shares.

## **SKILLS**

- Computer languages (basic): C, C++, Visual basic .
- Data analytical tools (basic): MATLAB, Python, R, Google earth engine, JavaScript, Power BI and STATA.
- Data collection, Data analysis and interpretation.
- Computer skills: Ms Office (All).
- Operating Systems: Windows and Linux.
- Leadership and Communication skills.
- Team working and Time managment skills.

## LANGUAGES

- Kinyarwanda (Native)
- English (Fluent)
- French (Intermediate)

## ACHIEVEMENTS

- MasterCard Foundation Scholar award at AIMS Rwanda.
- AIMS Full Scholarship Award 2019.
- Leadership Award and certificate at the University of Rwanda.

## REFERENCES

- Dr. Charles Lebon Mberi Kimporo, P.H.D  
Director, AIMS Industry Initiative (AIMS I<sup>2</sup>)  
Tel: +250780302682  
Email: charles.Kimporo@nexteinstein.org
- Prof. Blaise Tchapnda  
Academic Director at AIMS-Rwanda,  
Tel: +250781 446 600,  
E-mail: blaise.tchapnda@aims.ac.rw
- Prof. NTAGANDA Jean Marie  
Lecturer at university of Rwanda (My supervisor),  
Tel: +250788862970,  
E-mail: jntaganda@yahoo.fr