
CURRICULUM VITAE

I. Identification



Firstname : EMMANUEL
Last Name : NYANDU KAGARABI
Date of birth : 23/12/1996
Marital status : Single
Gender : Male
Nationality : CONGOLESE
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II. Education

DURATION	INSTITUTION	LOCATION	DOMAIN	DIPLOMA OBTENAIID	PERCENTAGE
2024 - to date	AIMS SOUTH AFRICA	CAPE TOWN	AI for science	Master	—
2019 - 2021	ISP/BUKAVU	BUKAVU	Mathematics	Licence	74, 78%
2016 - 2019	ISP/BUKAVU	BUKAVU	Math-Physics	Graduation	77, 87%
2011 - 2016	Inst. NYAMOKOLA	BIRAVA	Scientific	State Diploma	77%
2004 - 2010	E.P KANYANTENDE	BIRAVA	Primary School	Certificate	81%

III. Presentations

- ☑ On October 29th, 2021 : Public defence of a bachelor's thesis **On the treatment of numerical tensors** to a jury of the department of Mathematics-Physics of the ISP-BUKAVU. Mention : Great Distinction.
- ☑ On October 20th, 2019 : Presentation of a final cycle work (TFC) **On numerical methods of non-linear optimization** to a jury of the department of Mathematics-Physics of ISP-BUKAVU. Mention : Distinction.

IV. Professional experiences

(a) Higher and University Education

- ☑ From September 2022 to December 2023 : Part-time assistant in charge of practical work in the courses of Linear Algebra, Mathematical Analysis, Analytical Geometry and General Mathematics in Bac 1 at the faculties ECOLE DES MINES and SCIENCES (Geology, Biology, Environment and Agronomy) of the Université Officielle de Bukavu (UOB-BUKAVU).
- ☑ From October 2022 to December 2023 : Visiting assistant for the General Mathematics course in Bac 1 at the Institut Supérieur d'Etudes Commerciales et Financières de Bukavu (ISECOF-BUKAVU).
- ☑ From April to June 2022 : Teacher of the MATHEMATICS FOR CHEMISTS II teaching unit in Bac3 Chemistry-Physics at the Institut Supérieur Pédagogique de Bukavu (ISP-BUKAVU).

(b) Other experiences

- ☑ From October 2021 to December 2023 : Teacher of mathematics and physics at the MAENDELEO/Bukavu School Group Institute.
- ☑ From December 2020 to January 2021 : Internship in the UREMA (Unité de Recherche et Enseignement de Mathématiques Appliquées) of ISP-BUKAVU.
- ☑ From September 2018 to December 2022 : Mathematics teacher at CS HOSANNA/ISECOF, tutor in some families in Bukavu and trainer in scientific text processing software \LaTeX .
- ☑ From October 2018 to February 2019 : Trainee teacher at NYALUKEMBA/BUKAVU Institute.
- ☑ From September to October 2018 : Company internship at RUZIZI I hydroelectric dam.

V. Languages

- * French : Very good
- * English : Good
- * Kiswahili : Very good

VI. Skills

- ▲ Teaching mathematics and physics.
- ▲ Skills related to the use of scientific text processing software \LaTeX .
- ▲ Necessary knowledge of the Python programming language.

VII. Awards

- On April 24th, 2021 : Recipient of a scholarship award **Bourse d'Excellence Cimpunda(BEC)**, which rewards the best students in Bukavu town.
- January to December 2024 : Deepmind scholarship recipient for the AI for science master's program at AIMS SOUTH AFRICA.

VIII. Referees

- Ulrich Paquet : Director of the African Institute for Mathematical Sciences-South Africa (AIMS-SA).
Mail : ulrich@aims.ac.za
- BUHENDWA NYENYEZI Justin : Doctor in Mathematical Sciences (Numerical Optimization) at the University of Namur/Belgium, Head of the Exact Sciences Section and teacher in the Mathematics-Physics Department at ISP-BUKAVU.
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- AMBO AMANDURE Jean-Médard : Msc in Mathematical Sciences at AIMS-RWANDA, Secretary of the Department of Mathematics-Physics/ISP-BUKAVU and teacher in the same department.
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- Simon MUYA KASANDA : Doctor of Science (Astrophysics) at the University of Durban and Director of the Faculty ÉCOLE DES MINES at UOB-BUKAVU.
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- Lucien ZIHINDULA BIGURU : Doctor in mathematical sciences (Differential geometry) at the University of Kinshasa (UNIKIN) and teacher at the UOB-BUKAVU and at the Catholic University of Bukavu (UCB BUKAVU).
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- MINANI IRAGI Emmanuel : Doctor in Mathematical Sciences (Topology) at the University of the Western Cape in Cape Town/RSA and lecturer in the Department of Mathematics-Physics at ISP-BUKAVU
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I solemnly declare upon my honour that these data are accurate and up to date.

CAPETOWN, January 31, 2024

Emmanuel NYANDU KAGARABI

