

JORAM DIVENE FRANSTHER BAKEKOLO

69 Jolly Street, Brazzaville, Congo

☎ +242 06-710-26-78

✉ jbakekolo@aimsammi.org

🌐 [linkedin.com/in/username](https://www.linkedin.com/in/username)

🐙 github.com/JBakekolo

Education

African Master for Machine Intelligence

Master in Machine Intelligence

Oct. 2019 – Dec 2020

Kigali, Rwanda

University of Western Cape and AIMS

Master in Mathematical Sciences: Distinction

Sep. 2018 – Jun 2019

Cape Town, South Africa

Marien Ngouabi University

Master in engineering science

Oct. 2014 – Jul 2016

Brazzaville, Congo

Marien Ngouabi University

Master in Educational science

Oct. 2009 – Jul 2014

Brazzaville, Congo

Relevant Coursework

- Reinforcement Learning
- Data Structures
- Graph Neural Network
- NLP
- Deep Learning
- Applied Mathematics
- Machine Learning
- Fluid Mechanics

Thesis

Master in Machine Intelligence

Dec 2020

Project Title:

- Reinforcement Learning for Medication Dosing using Observational Data and Causal Inference.

- Supervisor: Dr. Shamim Nemati, University of California, San Diego
Dr. Shashikumar Supreeth, University of California, San Diego

Master in Mathematical Sciences (Distinction)

June 2019

Project Title:

- Macroscopic description of monochromatic waves in a rectangular non-staggered porous medium.

- Supervisor: Dr Gerhardus Diedericks, Stellenbosch University
Dr Maret Cloete, Stellenbosch University

Master in Engineering Science

July 2016

Project Title (in French):

- Modelisation de la diffusion d'un polluant dans un reservoir en beton en milieu sature

- Supervisor: Professor Christian Tathy, Marien Ngouabi University.

Master in Educational Science

July 2014

Project Title (in French):

- Affinités entre les notions de statistique inférentielle et la compréhension de la notion de variable aléatoire.

- Supervisor: Professor Rufin Bidounga, Marien Ngouabi University

Experiences

AIMSSEC | Tutor of Mathematics (Cape Town, South Africa)

Jan - Jun 2019

- Training High School Students in mathematics.

Savorgnan De Brazza High School | Tutor of Mathematics (Brazzaville, Congo)

Feb - May 2014

- Training High School Students in mathematics.

Conferences

Graph + AI Summit

Attending online

- The event is ongoing

05 Oct 2021 – 19 Oct 2021

San Francisco, USA

School on Graph Theory

Attended Online

- 4 Days Virtual School on Graph Theory.

04 Oct 2021 – 07 Oct 2021

Johannesburg , South Africa

Gene Golub SIAM Summer school

Attended in Person

- SIAM Summer school on theory and practice of Deep learning.

19 Jul 2021 – 30 Jul 2021

Kigali, Rwanda

Heidelberg Laureate Forum

Attended Online

21 Sep 2020 – 25 Sep 2020

Heidelberg, Germany

Artificial Intelligence in Medicine and Imaging

Attended Online

May 2020 – Aug 2020

Stanford Center , USA

Medical Imaging with Deep Learning

Attended Online

06 Jul 2020 – 08 Jul 2020

Montreal, Canada

Machine Learning Summer School

Attended Online

- Max Planck Institute for Intelligent Systems.

29 Jun 2020 – 10 Jul 2020

Tübingen, Germany

Advanced Mathematical Optimization

Attended in Person

- Interdisciplinary Center for Scientific Computing(IWR).

10 Dec 2018 – 21 Dec 2018

Cape Town, South Africa

Computer Skills

Languages: Python, Matlab, Java, C++, Sagemaths, HTML, CSS

Developer Tools: Visual Studio Code, PyCharm, Git

Technologies/Frameworks: Pytorch, Tensorflow, Keras, Gym, PyTorch Geometric

Languages

- English

- French

References

Dr. Yaé Ulrich Gaba

Assistant Professor: yae@aims.ac.za / ygaba@quantumleapafrika.org

Mentor

AIMS (South Africa)/ IMSP (Bénin)

Professor Neville Fowkes

Full Professor: neville.fowkes@uwa.edu.au

Lecture

University Western Australia

Dr. Shamim Nemati

Assistant Professor: snemati@health.ucsd.edu

Supervisor

University of California, San Diego, USA

Dr. Shashikumar Supreeth

Research Scientist: spshashikumar@health.ucsd.edu

Co-Supervisor

University of California, San Diego, USA