

NGNAWE JONAS

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ACADEMIC TRAINING

- Currently (Since Sept. 2018):** Student at the African Masters of Machine Intelligence (AMMI) at AIMS-Rwanda. (Sponsored by Google and Facebook www.aims-ammi.org)
- August 2016-June 2017** M.Sc. in Mathematical Sciences at AIMS-Cameroon (African institute for Mathematical sciences). *Thesis: k-Clustering problem-Application to a field technician allocation optimization problem.*
- Sept. 2011-July 2016** M.Eng. Computer Science at Ecole Nationale Supérieure Polytechnique (National Advanced School of Engineering) de Yaoundé. *Thesis: Setting up a system for reviewing access rights to the Information System- Bollore Africa Logistics study case.*
- June 2011** Baccalauréat C (Equivalent of the GCE Advanced Level, high school leaving certificate) – Mathematics and Physics Specialization.

PROFESSIONAL EXPERIENCE

- Jan. 2018 – Aug. 2018** Computer Engineer at [Groupone Holding Company](#), Limbe, Cameroon
- Nov. 2017 - Dec. 2017** Teaching assistant at AIMS-Cameroon.
- July 2017-October 2017** Working as Freelance Software Engineer.
- Feb. 2016-August 2016** Intern at [Bolloré Africa Logistics](#) at the IT Department, Douala. *Research topic: "Setting up of a system for reviewing access rights to the Information Systems".*
- July 2015 – Sept. 2015** pre-engineer Internship at Ecole Nationale Supérieure Polytechnique de Yaoundé. *Research topic: "Designing a remote control system for electrical devices via Wi-Fi using an Android smart-phone".*
- August 2014- Dec. 2014** Internship and training on basic electronics for embedded systems at KKT training institute, Yaoundé.

LANGUAGES

- French (first language)**
- English (Toefl 103: reading 26, listening 27, writing 27 and speaking 23),**
- German, Italian, Chinese:** basic knowledge.
- Tupuri, Fulfulde:** mother tongues

AWARDS

- 2012-2016: Presidential Price of Excellence to Higher-Education Students (every year)**
- 2017: Pedagogic Prize awarded by the Teachers Training Center Program of AIMS-Cameroon during Graduation**

PROFESSIONAL EXPERTISE

Machine Learning	Numpy/Scipy, Tensorflow (+kera library), Pytorch, Scikitlearn, R, Panda , Matlab/Octave.
Computational Geometry	k-Clustering using Voronoi diagrams
Programming languages	Python /Java / C# / C / C ++ / R / Matlab/ Octave/ Sagemath/Prolog etc. (<i>Nota: I firmly believe that the time to learn a new programming for me is $O(1)$ unless the paradigm is really "weird". The real skill is to find or design the algorithms to solve a problem.</i>)
Web and Mobile Development	HTML5/CSS3/JavaScript/JQuery /Ajax/PHP/J2EE/Asp .Net/Wordpress, Android Programming.
Operating Systems	Windows, Linux (Ubuntu, Debian).
Real Time and Embedded Systems	Arduino, MSP430, Raspberry pi (Openwrt, Raspbian), wifi module ESP8266, Cheddar simulator, Contiki simulator.
Databases and BI tools	Relational & NoSql Database Design, MySQL, MS SQL Server, Casandra, Talend Open Studio, Qlikview
Cloud & Big data	Docker, Hadoop (HDFS, MapReduce, Yarn), Spark, Storm.
Development and Modeling Tools	Eclipse, NetBeans, Android Studio, MySQL workbench, Visual Paradigm, Enterprise Architect, Codeblocks, Git/Github.
Networking	LAN setup, configuration and administration, Secured Network Architectures Design, Network Security.
Process Modeling and Software development	UML/Merise, BPMN 2.0, Agile development (SCRUM).
Project management and Communication	PMI methodology, writing business plans, preparing a communication campaign.

PASSIONS

Epistemology, History and Philosophy of Science, Applications of Scientific Knowledge, Ethics and Morale of Science, Leadership, Personal Development, Entrepreneurship, Critical Thinking, Efficient Development Strategies for Africa, Measure of African Development, African History & Culture, African writers & Scientists
Theology, History of Religions

REFEREES

Pr. Dr. Mama Foupouagnigni	mfoupouagnigni@aims-cameroon , AIMS-Cameroon, University of Yaoundé I.
Pr. Marco Garuti	marco@aims-cameroon.org , AIMS-Cameroon, University of Padova, Italy.
Pr. Bouetou Thomas	tbouetou@gmail.com , Ecole Polytechnique, University of Yaoundé I.
Pr. Walter Van Asche	walter.vanassche@kuleuven.be , Catholic University of Leuven, Belgium.
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