

# JONAS NGNAWE

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## EDUCATION

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<b>African Master's in Machine Intelligence (AMMI), Kigali</b> at AIMS-Rwanda, funded by Facebook and Google	<i>September 2018 - To date</i>
<b>Structured Master's Degree in Mathematical Sciences, Limbe</b> at AIMS-Cameroon	<i>August 2016 - June 2017</i>
<b>Master's Degree in Computer Engineering , Yaounde</b> at Ecole Nationale Suprieure Polytechnique	<i>September 2011 - July 2016</i>
<b>Baccalaurat C (High School Leaving Certificate)</b> Mathematics and Physics Option.	<i>June 2011</i>

## CARRIER OBJECTIVE

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Aspiring to be a researcher in Machine Learning and to generate new business models in the domain especially for the African context. Currently looking for a PhD position or a program in a company that prepares me towards these objective.

## PROJECTS

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- House Prices Prediction using Advanced Regression Techniques.**  
Kaggle Comptetion(Ames Housing Dataset) and Class Group Mini-Project at AMMI
- k-Clustering Problem-Application to a Field Technician Allocation Optimization Problem.**  
Master's Thesis at AIMS-Cameroon.
- Setting up a System for Reviewing Access Rights to the Information System- Bolloré Africa Logistics Study Case.**  
Master's Thesis at Polytechnique Yaounde.

## WORK EXPERIENCE

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- Groupone Holding Company, Limbe, Cameroon, Jan-Aug 2018**  
*Computer Engineer*
  - Software & Websites Development, Studies for the Creation of a Startup Incubator, Assitance for the Industrial Maintenance of Honeywell Experion System, IT Assistance.
- AIMS-Cameroon, Limbe, Nov-Dec 2017**  
*Teaching Assistant*
  - Differential Calculus, Control Theory.
- Freelance, Aug - Oct 2017, and later**  
*Software developer*
  - Digitization of Administrative Processes for various Ministries in Cameroon, Wordpress Plugins Development and Maintenance.
- Bolloré Transport and Logistics (previously Bolloré Africa Logistics) , Douala, Cameroon, Feb - Aug 2016**  
*Software Engineer Intern*

- Automation of the Review of Access Rights to the Information System.

### **Computer Engineering Department of Polytechnique Yaounde, July - Sept 2015**

*Intern*

- Designing a Remote Control System for Electrical Devices via Wi-Fi using an Android Smartphone.

### **KKT Training Institute, Yaounde, Aug - Dec 2015**

*Intern*

- Basic Electronics for Embedded Systems.

## **TECHNICAL SKILLS**

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<b>Machine Learning Tools</b>	Numpy/Scipy, Tensorflow (+keras library)-beginner, Pytorch -beginner, Scikitlearn, R, Panda , Matlab/Octave.
<b>Programming languages</b>	Python /Java / C# / C / C++ / Prolog. (Nota: I firmly believe that a programming language is just a tool, the real skill is to find or design the algorithms to solve a problem.)
<b>Web and Mobile Development</b>	HTML5/CSS3/JavaScript/JQuery/Ajax/PHP/J2EE/Asp .Net/Wordpress, Android Programming.
<b>Operating Systems</b>	Windows, Linux (Ubuntu, Debian)
<b>Real Time and Embedded Systems</b>	Arduino, MSP430, Raspberry pi (Openwrt, Raspbian), wifi module ESP8266.
<b>Databases and BI tools</b>	MySQL, MS SQL Server, Talend Open Studio, Qlikview.
<b>Cloud &amp; Big data</b>	basic knowledge of: Docker, Hadoop (HDFS, MapReduce, Yarn).
<b>Software Development and Modeling Tools</b>	Eclipse, NetBeans, Android Studio, MySQL workbench, Visual Paradigm, Enterprise Architect, Codeblocks, Git versioning (Github, Bitbucket).
<b>Networking</b>	LAN setup, configuration and administration, Secured Network Architectures Design, Network Security.
<b>Process Modeling and Software development</b>	UML/Merise, BPMN 2.0, Agile development (SCRUM).
<b>Project management and Communication</b>	PMI methodology, writing business plans, preparing a communication campaign.

## **LANGUAGES**

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French: first language

English: (Toefl 103: reading 26, listening 27, writing 27 and speaking 23)

Tupuri, Fulfulde: mother tongues

German: basic