

# Isaac Kamga

M.Sc. Computer Science

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📄 <https://github.com/Izakey>



## Education

- 2010 – 2015 **MSc. Computer Science**, University of Buea, Cameroon.  
*Course work:* Data Structures & Algorithms, Compilers, Databases, Parallel Machines & Architectures, Computability & Complexity Theory, Software Engineering  
*Thesis:* *Implementation Of A Heart-shaped Primitive In BRL-CAD*
- Jan 2009 – Dec 2009 **Part-Qualified Accountant**, The Association of Certified Chartered Accountants, Glasgow, United Kingdom.  
*Accountant In Business*(F<sub>1</sub>), *Management Accounting*(F<sub>2</sub>), *Financial Accounting*(F<sub>3</sub>), *Corporate And Business Law*(F<sub>4</sub>) & *Performance Management*(F<sub>5</sub>)
- 2005 – 2008 **BSc. Mathematics and Computer Science**, University of Buea, Cameroon.  
*Magna Cum Laude*

## Professional Experience

- April 2015 – Aug 2015 **Google Summer of Code Mentor**, BRL-CAD, Maryland.  
*G to POV-Ray Geometry Converter*  
*OpenSCAD Importer*
- Dec 2014 – Jan 2015 **Google Code-In Mentor**, BRL-CAD, Maryland.  
*Mentored over 10 students to complete 383 tasks*
- 14 – 18 Oct 2013 **Google Doc Camp Independent Participant**, Mountain View, California.  
*Co-authored HACKING BRL-CAD A Contributors Guide*
- Apr 2013 – Sep 2013 **Google Summer of Code Student**, BRL-CAD, Maryland.  
*Implementation of a Heart primitive, Over 2000 Lines, C, Imagemagick*
- Feb 2013 – Apr 2013 **Legal Informatics Research Project**.  
*Developed mini-compilers to infer the compliance of business processes to government regulations. Over 500 Lines, C, Flex, Bison*
- January 2011 **Web Mining Research Seminar**, Buea, Cameroon.  
*A literature Review of Web Mining*

## Computing Skills

- Programming Languages C/C++, Javascript, L<sup>A</sup>T<sub>E</sub>X
- Software Engineering OOP, TDD, EDD, Version Control (git, github, bitbucket), continuous integration (travis)
- Operating Systems Linux (Scientific Linux & Fedora), Windows (plus shell scripting & system programming skills)
- Github profile <https://github.com/Izakey>

## Community Involvement & Volunteering

- Aug 2013 – Aug 2015 **Founder, Google Developer Group Buea (GDG Buea)**
- April – May 2015 **PL / Meet-ups**.  
*Organised 9 facilitators to instruct 30 University students programming in C, C++, Java, Python & JavaScript*
- February – March 2015 **Buea Android Study Jams**.  
*Organised over 7 sessions where an Accredited facilitator taught 5 students how to develop scalable Android apps*

- November 28 – 29 2014 **Polymer Code Lab & Hackathon.**  
Organised & provided content for *the development of the GDG Buea website.*
- October 10 – 11 2014 **Hack 'n Droid Weekend.**  
Organised a *48-hour Android hackathon* to develop a voting app for Audience Choice Awards
- August 18 – 20 2014 **Google CS4HS 2014 Workshop.**  
Co-presented some of *Google's opportunities for Educators* to over 30 Computer Science teachers
- April 2014 **Google Summer of Code 2014.**  
*Increased the number of accepted students from University of Buea to 3*
- March 2014 **Google Summer of Code 2014.**  
*Mentored over 20 students to apply for the GSoC 2014 program*
- November 3 2013 **Google Cloud Developers Challenge 2013.**  
Organised the *launching of GCDC 2013* in Buea
- October 2014 – Present GDG Country Mentor for Cameroon**
- November 16-21 2015 **Devfest Fako 2015, Buea, Cameroon.**  
*Co-ordinated the development of 3 apps during a week-long Hackathon.*
- November 2015 **GDG Devfest Season in Cameroon.**  
*Grouped 9 GDGs into 3 Devfest clusters.*
- October 10 2015 **Cameroon Programming Contest 2015.**  
*Organised and coached 3 teams of coders.*
- August – Sept 2015 **MTN Innovation Challenge 2015.**  
*Mentored teams to develop 4 winning apps in 7 events.*
- June 20 2015 **Silicon Mountain Conference 2015.**  
*Delivered Keynote Speech On Building A Community That Codes*
- May 28 - 29 2015 **Google I/O '15, San Francisco, California.**  
*Offered free ticket to attend Google's biggest developer conference*
- May 26 - 27 2015 **Google Developer Group Global Summit, Mountain View, California.**  
*Offered free ticket to represent GDGs from Cameroon*
- April 2015 **Google Summer of Code 2015.**  
*Quadrupled the number of accepted students in Cameroon to 12*
- March 14 – 15 2015 **GDG Country Mentors Summit 2015, Nairobi, Kenya.**  
*Boosting Android Study Jams Using Installfests*
- March 2015 **Cameroon Open Source Summits.**  
*Inspired students at 4 Universities viz *Bambili, Bandjoun, Buea & Yaounde* to contribute to open source.*

## Languages

Trilingual **English ( Native ), French ( Native ), Pidgin ( Fluent )**

## Awards & Scholarships

- 2014 Laureate, *Research Excellence Awards* in Computer Science at The University of Buea, Cameroon
- 2010 – 2013 Laureate, President of the Republic of Cameroon's *Academic Excellence Awards*

## Interests

Research Data Mining, Graphics, Business Process Compliance  
Hobbies Jogging, Reading, Hiking and Biking