

Isaac Kamga

M.Sc. Computer Science

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📄 <https://github.com/Izakey>



Education

2010 – 2015 **MSc. Computer Science**, The 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(F₁), *Management Accounting*(F₂), *Financial Accounting*(F₃), *Corporate And Business Law*(F₄) & *Performance Management*(F₅)

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^AT_EX

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 GCDG 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