

Isaac Kamga

M.Sc. Computer Science

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📄 <https://github.com/Izakey>



Education

- 2010 – 2015 **MSc. Computer Science**, University of Buea, Cameroon..
Implementing 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**, Mountain View, California.
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, Windows (plus shell scripting & system programming skills)
- Github profile <https://github.com/Izakey>

Community Involvement & Volunteering

- 2014
- A. ABRAHAM, E. DOHMATOB, B. THIRION, D. SAMARAS, G. VAROQUAUX, “Region segmentation for sparse decompositions: better brain parcellations from rest fMRI”. <http://stmi2014.ece.cornell.edu/papers/STMI-P-9.pdf>
 - B. THIRION, G. Varoquaux, E. DOHMATOB, J.-B. POLINE, “Which fMRI clustering gives good brain parcellations?”. *Frontiers in Neuroinformatics*. <http://journal.frontiersin.org/Journal/10.3389/fnins.2014.00167/abstract>
 - E. DOHMATOB, A. Gramfort, B. THIRION, G. Varoquaux “Benchmarking solvers for TV- ℓ_1 least-squares and logistic regression in brain imaging”. *Pattern Recognition in Neuroimaging (PRNI), IEEE*. <http://hal.inria.fr/hal-00991743>
- 2013
- A. ABRAHAM, E. DOHMATOB, B. THIRION, D. SAMARAS, and G. VAROQUAUX, “Extracting brain regions from rest fMRI with Total-Variation constrained dictionary learning”. *MICCAI - 16th International Conference on Medical Image Computing and Computer Assisted Intervention - 2013* (2013). <http://hal.inria.fr/hal-00853242>

Languages

Bilingual **English** (*Native*), **French** (*fluent*)

Awards and Scholarships

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

Interests

Research convex optimization, nonlinear registration, machine learning, human connectome mapping, game theory

Hobbies Reading, dancing, running