

Imaculate Mosha

Curriculum Vitae

TECHNICAL EXPERIENCE

FEBRUARY 2016 – PRESENT

Department of Computer Science, University of CapeTown
Research Assistant

Working on a Simple Sequencing prototype, specifically Directed IMS sequencing for educators under the supervision of Dr.Hussein Suleiman. Implementing the web application using front-end web technologies and Nodejs framework.

NOVEMBER 2015 – FEBRUARY 2016

j5 International www.j5int.com
Software Development Intern

Worked on enhancing the j5 Intergrated Development Environment(IDE) and bug fixes using wxpython.

JUNE 2015 – JULY 2015

Digiata www.digiata.com
Programmer Intern

Implemented a framework for Object Relational Mapping using C#. Compared the performance Entity Framework Dapper, SqlFu, PetaPoco, Nhibernate and LightSpeed for the company tasks.

NOVEMBER 2013 – JANUARY 2014

Niafikra www.niafikra.com
Intern developer

Developed a web application, Autodeployer for deploying projects from Git/Bitbucket to the respective production server. Available at <https://github.com/imaculate/Autodeployer>.





FEBRUARY 2014 – MAY 2015

University of CapeTown
Course Tutor

During semester time I tutored Computer Science and Electrical Engineering over the whole period. I ran tutorial sessions, supervised and marked labs and tests.

LEADERSHIP EXPERIENCE

2015 ChairPerson of WICS Encouraging Women Into CS

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 imaculatemosha@yahoo.com
 <http://imaculate.github.io>

EDUCATION

2013 – 2016 **BSc Electrical and Computer Engineering**
University of CapeTown, South Africa

2006 - 2012 **A-level Certificate**
Marian Girls' High School, Tanzania

TECHNICAL PROJECTS

- 2014 **Footsteps** (devpost.com/software/footsteps)
Android app for happiness developed in online hackathon
- 2016 **ntd** (ntdisp.entidi.com)
Embedded devices programmer
- 2007 **tip** (tip.entidi.com)
PHP framework based on PEAR
- 2006 **adg** (adg.entidi.com)
Automatic drawing generation
- 2006 **gtk2panel** (gtk2panel.entidi.com)
Top panel menu in GTK+2
- 2004 **ntd** (ntd.entidi.com)
General purpose libraries

AWARDS AND DISTINCTIONS

ITALIAN Native speaker
ENGLISH Oral: fair – Written: good
SPANISH Oral: good

SOFTWARE SKILLS

PROFICIENT LEVEL Java, Python, C++ , Git, JavaScript
INTERMEDIATE C#, VHDL , C, APL, Octave, Matlab,HTML, CSS, Groovy
BASIC LEVEL Haskell, Scheme, GoogleApps Script, Go, \LaTeX