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 enhacing 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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↗ | 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

2016	**Doublecheck(Link to devpost page)** *Outlook addin developed in online hackathon*
2016	**Scikit-Learn (github.com/scikit-learn)** *Contributor to open source Machine Learning library*
2015	**Accela(github.com/JustOmondi/ES-project)** *Audio Project for Embedded Systems course*
2013	**Blogger (technofunology.blogspot.co.za)** *A frequently updated blog showcasing my technical activities*
2014	**Footsteps (devpost.com/software/footsteps)** *Android app for happiness developed in online hackathon*
2013	**Blogger (amazife.blogspot.co.za)** *Personal blog for inspiration and personal development*

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