Imaculate Mosha
Curriculum Vitae

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↗ | http://imaculate.github.io

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.

JANUARY 1994 – JUNE 1996
Seven Diesel s.p.a., Rovato
Engineering department director

Planning of nozzles for diesel engines and production engineering. Upgraded the management software by implementing a system for data handling and automatic drawing generation in DXF by leveraging the SuperBase 95 RAD tool.

EDUCATION

2013 – 2016	**BSc Electrical and Computer Engineering** *University of CapeTown, South Africa*
2006 - 2012	**A-level Certificate** *Marian Girls' High School, Tanzania*

PUBLIC PROJECTS

2013	**silverstripe (silverstripe.entidi.com)** *Themes and extensions for SilverStripe*
2012	**ntdisp (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*

COMMUNICATION SKILLS

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

SOFTWARE SKILLS

GOOD LEVEL	C, PHP, HTML, CSS, autotools, git, gcc, GTK+/GObject, shell, Linux, G-Code, Lua
INTERMEDIATE	FreeBSD, MS-DOS, LaTeX, MySQL, VBA, cuBasic, ladder, pascal, LabVIEW
BASIC LEVEL	Windows, OpenIndiana, subversion, Postgres, Erlang, Forth