

Imaculate Mosha

Curriculum Vitae

WORK EXPERIENCE

FEBRUARY 2016 – PRESENT

Department of Computer Science, UCT

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.

JANUARY 2002 – JUNE 2004

TEMA s.r.l., Travagliato

PLC Omron development

Development and testing of software for automatic and semiautomatic machines for ribbon winding on spools and rolls (safety belts, hook-and-loop tapes, elastic ribbon and bindings). Designing of electrical schematics on 2D cad and drafting of user manuals.

OCTOBER 1998 – NOVEMBER 2001

TWINS s.r.l., Sarezzo

PC and PLC Siemens development

Programming, installation and testing of transfer machines for assembly, adjustment and test of gas taps. Development and installation of PC based test stands for pneumatic and hydraulic leakage tests on valves, gas regulators, electrovalves, tanks and other mechanical parts.

SEPTEMBER 1996 – SEPTEMBER 1998

Elettronica EFFE-GI s.n.c., Cazzago

PC and PLC Hitachi development





Development of automatic and semiautomatic machines in general, here included the design of electrical, pneumatic and hydraulic schematics on 2D cad and the PLC programming. Implementation of configuration and logging front-ends over RS232 serial buses between PC and PLC in BASIC first, Pascal and C after on MS-DOS based platforms.

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.

 Forest Hill Complex,
95 Main Road, CapeTown, South Africa
 (+27) 61 320 1068
 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

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, ~~TeX~~TeX, MySQL, VBA, cuBasic, ladder, pascal, LabVIEW
BASIC LEVEL Windows, OpenIndiana, subversion, Postgres, Erlang, Forth