

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

DECEMBER 2015 - 2016

Women In Computer Science, UCT

ChairPerson

Fundraising and cordinating events with the committee

SEPTEMBER 2014 - JULY 2015

Google

Google Student Ambassador

Founded the Google Students Club at UCT. Cordinated technical development events with support from Google.

2014 - 2015

Student Orientation and Advocacy Centre, UCT

Orientation leader

In February of the two years, I guided new students around University, in a team of selected students.



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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

2014 **Footsteps** (devpost.com/software/footsteps)
Android app for happiness developed in online hackathon

2013 **Blogger** (technofunology.blogspot.co.za)
A frequently updated blog showcasing my technical activities

AWARDS AND DISTINCTIONS

2016 Web Summit 2016 scholarship

2015 Top 20 award for APL coding contest

2014, 2015 Grace Hopper Conference Scholarship

2014 Google Anita Borg scholarship

2013, 2014, 2015 Class medalist for several courses, Dean's Merit List

SOFTWARE SKILLS

PROFICIENT LEVEL Java, Python, C++ , Git, JavaScript

INTERMEDIATE C#, VHDL , C, APL, Octave, Matlab,HTML, CSS, Groovy, Haskell, Scheme, GoogleApps Script, Go, \LaTeX

REFERENCES

Available on request