

Imaculate Mosha

Curriculum Vitae

TECHNICAL EXPERIENCE

OCTOBER 2017 – PRESENT

Microsoft Development Centre, Vancouver

Software Development Engineer

Working in the Tools for Software Engineers Team ([Page](#)), specifically CloudTest. Designing and implementing distributed systems. Reviewing code and mentoring junior members.

JANUARY 2017 – JULY 2017

Amazon Development Centre, CapeTown

Intern Software Development Engineer

Worked on the troubleshooting page for failures when connecting to EC2 instances. Implemented with Java, CSS and internal framework.

FEBRUARY 2016 – PRESENT

Department of Computer Science, University of CapeTown

Research Assistant

Worked on a Simple Sequencing prototype, specifically Directed IMS sequencing for educators under the supervision of Dr.Hussein Suleiman. Implemented 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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✉ 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

- 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