# 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.

### 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.

## EDUCATION

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

## TECHNICAL PROJECTS

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

## AWARDS AND DISTINCTIONS

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|---|---|
| 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

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|---|---|
| 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