**D.O.B:** 19/09/90

**Nationality:** Zimbabwean

**Language:** English

**Marital status:** Single

**Sex:** Male

Driven by a passion for programming both software and hardware. I thus intend on playing my part in advancing the digital world through contributions in embedded systems and application development.

**WORK EXPERIENCE**

**Dec 2012 – Dec 2014: Deltronics – Junior Electronics Engineer**

Scope of work: Software system design, testing microprocessor based circuit boards

* Skills Learnt:
* Hardware debugging – checking newly assembled boards for bugs caused by dry joints and faulty components and resolving them.
* Programming of microprocessors – worked on projects using different microprocessors namely; ST, Microchip, Freescale, Atmel and Arduino
* PCB assembly and soldering techniques – manually assembled boards with both surface-mount and through-hole components.
* Field Application Engineer- provided support and training for the Tasking Arm compiler

**Jan 2012: University of Cape Town – Orientation Leader**

* Scope of Work: Welcome the first years into the university and help them through their first few weeks of university
* Skills Learnt : Working with a team, engaging with a large audience, networking skills

**July - Dec 2011: CSIR’s Center for High Performance Computing – Lab Assistant (vacation work)**

* Scope of work: Investigating and testing cutting edge high performance computing technology focusing mainly on field programmable gate arrays (FPGA)
* Skills learnt:
* Programming FPGA boards – worked with both VHDL and verilog languages
* design and simulation of application specific integrated circuits(ASIC) systems using Xilinx Software tool
* Programming in python – assisted in the building of a compiler which translates python code to verilog

**2014: Professional Qualifications**

* Certificate of Accreditation in Altium Advanced EDA
* Certificate of Accreditation in Arm Tasking
* Certificate of Accreditation in Altium Vaults

**EDUCATION**

**2010-2013: Bachelor of Science (Electrical and Computer Engineering), University of Cape Town**

* Thesis Topic: ”3D Printer Driver for Solidworks”
* Courses taken: Engineering Mathematics, Physics, Project Management, Computer science, Probability, Digital System, Signals and Systems, Embedded systems, Electrical engineering, electronic engineering, digital electronics and microprocessors, wireless communications, mobile communication, control engineering, new venture planning, Industrial law, industrial design

**2007 - 2008: A’ level Certificate, St’ Ignatius College, Zimbabwe**

* Examining Board: Zimbabwe Schools Examination Council
* Results: Mathematics(A), Physics (B), Chemistry(B)

**Publications**

3D printing technology produced locally. EngineerIT, [online] (March 2014), pp.49-51. Available at:

**OTHER SKILLS and Competences**

**Spoken Languages:** Fluent English

**Programming languages:** Java, Python, C++, C, C#, VHDL and Verilog.

**IT:** Advanced computer user with ability to troubleshoot software problems, Linux operating system basic user skills

**Communication:** Oral skills developed through presentations carried out in various modules and interactions with business personal, writing skills developed through essay and report writing

**Leadership and Teamwork:** Team leading for various groups including sound engineering team, project teams from courses like embedded system were a team of 3 had to build an electronic instrument from scratch.



**Gulfjobseeker.com CV No:** **1482810**