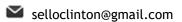


Sello Clinton Fotoyi

BSc Engineering (Electrical)
Graduate





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OBJECTIVE

As a recent graduate, I aim to learn and gain experience in the fields of (but not limited to) Electrical Engineering and/or Software Development, ideally through a graduate program/internship. I yearn for self-development and career growth, and I would stop at nothing to seize any opportunity obtainable.

EDUCATION

2019 University of the Witwatersrand, Johannesburg | BSc in Engineering: Electrical

Final year courses: Power Systems, Control Engineering II, Electromechanical Conversion, Measurement Systems, Systems Management and Integration, Electrical Engineering Design II, Electrical Engineering Laboratory Project and Selected Topics in Sociology.

2011 Edumap College | National Senior Certificate upgrade

Upgraded subjects: Mathematics (57% to 79%), Mathematics Paper 3 (32% to 79%) and physical Sciences (84% to 94%)

2010 Mosupatsela Senior Secondary School | National Senior Certificate

Passed subjects: Sesotho Home Language, English First Additional Language, Afrikaans Second Additional Language, Mathematics, Mathematics Paper 3, Physical Sciences, Life Sciences and Life Orientation.

PROJECTS

Jul 2019 - Sep 2019

Design and Implementation of a controller for a non-linear system

Field: Control Engineering Type: Implementation

A pairs project concerned with the design and implementation of a controller for a non-linear system represented by a DC motor-powered sliding gate. The system was modelled with Simulink and the controller's algorithm was implemented on an Arduino Uno microcontroller, which was coded with C programming language

Sep 2019 – Nov 2019

Dimensioning a renewable energy hybrid system with energy storage

Field: Power and Energy Type: paper design

A household energy usage profile was provided, from which a suitable and feasible renewable energy hybrid system with an energy storage facility was designed, if the photovoltaic array(s) and/or wind turbine(s) were to be available as renewable energy sources.

SKILLS

Electric circuits	AnalysisDebugging	Design	•Implementation
Control Systems	Analysis	Modelling	●Control design
Project Management	●PMBOK Framework ●CPM	●WBS●Risk Management	●PERT
Programming languages	AssemblyJava	●C ●Javascript	●C++ ●HTML5/CSS3
Software knowledge	MS OfficeMPLABIntelliJ Idea	Matlab/SimulinkGitWebstorm	Arduino softwareCodeliteVisual Studio Code
Soft skills	CommunicationDetail-orientated	TeamworkStrategic problem- solving	LeadershipWorking under pressure

CERTIFICATES

Oct 2019 Engineering Leadership and Professional Development

Institution: School of Electrical and Information Engineering, University of the Witwatersrand This was the outcome of a practical orientated course aimed at developing these competencies within an engineering context.

MISCALLENEOUS

Languages •Sesotho (native) •English (Professional working •isiZulu (basic)

proficiency)

Hobbies/interests •Video games •Coding •Reading

REFERENCES

Lonwabo Rarane

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Sandra Maape

Academic support and life skills (Life coach) | University of the Witwatersrand

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