

Jongo Said Salum

Seoul, South Korea

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PROFILE

Highly motivated Electrical & Electronic Engineering student enthusiastic in Power electronics, smart-grid, renewable energy, electric vehicles, Energy Storage Systems, programming and generally power generation, distribution and conversion technology. I work efficiently under pressure and consistently deliver quality work in consideration of time and resource constraints.

UNDERGRADUATE COURSES

- ❖ *Circuit theory, Power Electronics, Signal & Systems*
- ❖ *Digital logic circuits, Control engineering*
- ❖ *Communication theory, Basic modern physics*
- ❖ *Electricity & magnetism, Semiconductor physics*
- ❖ *Data structure and algorithm*
- ❖ *Introduction to engineering design,*
- ❖ *Microelectronics and optics experiments*
- ❖ *Engineering mathematics, Physics, and Chemistry*
- ❖ *Electrical & Electronics experiments: Application*

GRADUATE COURSES

- ❖ *Electric Machine & Control*
- ❖ *Liquid Crystal Display Devices, IC CAD Labs,*
- ❖ *Thin Film Physics for Nano Scale Process*
- ❖ *Semicond Materials & Device Characterization*
- ❖ *Electric Power Quality Analysis*
- ❖ *Master's Thesis Research (V2G & G2V)*

SKILLS

- ❖ Microsoft office
- ❖ C, C++, R, Python, MATLAB
- ❖ Verilog hardware programming language HDL and Experienced IDEs like ADUINO
- ❖ Advanced in simulation software like PSCAD, LTSPICE, SIMULINK and PSPICE
- ❖ HTML, CSS, Java script and Django for web-design & development
- ❖ Efficient in using Adobe photoshop and Illustrator
- ❖ Efficient in power Control techniques
- ❖ Confident in Energy storage System (ESS) model Implementations
- ❖ Interpersonal communication, leadership and teamworking

PORTFOLIO

- ❖ Reproduced multiple IEEE research papers, and simulated countless models in MATLAB (Simulink) and PSCAD
- ❖ Published several articles for the Korean International Student Union Website under 'KOREA ECONOMY MAGAZINE'
- ❖ Did 1 year volunteering activity for UNEP and UNICEF
- ❖ Won full scholarship (KGSP) which needed only two people from Tanzania, covering \$900 monthly stipend, health insurance and 4years tuition fees in Korea.
- ❖ Tri-lingual speaking fluent Korean, English and Swahili.
- ❖ Attended Tanzania National service for three months
- ❖ Volunteered for 1 year under a KT program called 'KT dream school' teaching English and Int' culture to the Korean kids
- ❖ Chosen as a representative of International students for 3 consecutive semesters in Yonsei University. Won multiple times in the events such as coding contests, drone programming competition, and sports (Marathon)
- ❖ Helped to create TANROK website, <http://tanrok.com/>. TANROK is an association formed to connect Tanzanians studying/ working in South Korea. Tanzania did not have embassy here in South Korea until late 2018, so TANROK has been playing a major role to solve Tanzanians' problems in and out of Seoul.
- ❖ Worked as a research assistant in the Power Electronics lab in Seoul National University of Science and Technology (SeoulTech) under professor Young-II I Lee. I had 6 months contract for this internship as a research assistant until the end of August).

EDUCATION

2019 September ~ present

Yonsei University – Master's Degree in Electrical & Electronics Engineering.

2015 March ~ 2019 February (Graduated)

Yonsei University – Bachelor's degree in electrical & Electronics Engineering.