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| **Jongo Said Salum** |

*Seoul, South Korea*

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*+8210-2890-6149*

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| **PROFILE** |
| Highly motivated Electrical & Electronic Engineering student interested in doing research on Power electronics smart-grid, renewable energy, electric vehicles 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. |

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| **COURSES** |

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

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| **SKILLS** |
| * Microsoft office * C, C++, Python, Matlab * Verilog hardware programming language * Advanced in design software like PSCAD, LTSPICE and PSPICE * HTML and Java scrip for web-design * Experience in different IDEs like ADUINO * Game GUI programming experience * Efficient in using Adobe photoshop and Illustrator * Multiple works using Ev3 language and Lego Mindstorms * Transcription with music notation software MuseScore * Interpersonal communication, leadership and teamwork |
| **PORTFOLIO** |
| * Wrote with ChoiceScript language in text-based gameplay * Worked with AIML in the development of an AI-based chatbot * Produced a number of audio synthesis work using LMMS software * 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 $800 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 * Worked in a project to create short range radio station transmitting AM/FM signal in the school lab, using instrument like RF cables, GRF- 1300A, Spectrum Analyzer GSP-730, Coil antenna etc. * Worked in a Power Electronics project (thesis) to design multi- level converters, HVDC - MMC and switch fault detector * 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 on a project to generate electricity from mechanical energy (using dynamo concept) and biogas. * Assisted in an ongoing power-grid research in the Yonsei university Power electronics lab during the 2018 winter and summer vacation * Worked as a TA during the 2019 winter vacation in Yonsei University International campus helping freshmen students who just got enrolled * Currently working as a research assistant in the Power Electronics lab in Seoul National University of Science and Technology (SeoulTech) under professor Young-Il l Lee. I have 6 months contract for this internship as a research assistant until the end of August ). |
| **WORK HISTORY** |
| *6/2016 – 09/2016*  Translator –Naviworks and KT company.  Worked as a Korean-English translator to officials from Tanzania who came to Korea for the COS project training. Naviworks company had a project from the Tanzanian government under Ministry of Home affairs (NIDA) to implement National ID System. Also translated NIDA portal system from English to Swahili  *9/2017 – 11/2018*  *Global Translator*  *I had to translate scripts, web posts and articles from Korean to Swahili & English for SBS and Blue-panda broadcasting companies.*  *7/2018 – 12/2018*  *Yonsei University - Research Volunteer (Undergraduate course work)*  *Worked in the Yonsei University’s Smart-grid lab as a research volunteer where I had to provide assistance in the ongoing convertors research under professor Hur kyeon*  *3/2019 – 8/2019*  *SeoulTech - Research assistant (Internship)*  *Paid research assistant in the power electronics lab of Seoul National University of Science and Technology (SeoulTech). This lab has a working prototype of Electric car under professor Young-Il Lee* |
| **EDUCATION** |
| *2015 March 2 ~ 2019 February 25 (Graduated)*  Yonsei University – Bachelor Degree in Electrical &Electronics Engineering.  GPA 2.53/4.3 (81.3/100) |