

ASABRE EBENEZER

[Website](#)

[Github](#)

PERSONAL PROFILE

I am passionate about Software/Hardware co-design with two years experience working with different Microcontroller Families. My skills and interests are in Embedded Software, Autonomous Systems and Digital/Analog circuits.

SKILLS SET

- C/C++, Python
- Product Design
- Fast prototyping / Circuit Assembly (SMT)
- PCB Design / Component sourcing and manufacturing
- Embedded protocols: SPI, I2C, CAN, USB, BLE
- Extensive knowledge of Data Structures and Algorithms
- Decent experience with web tools: React, NodeJS, Retrofit SQL, HTML, CSS
- Good communication skills
- Team player
- Fluent in Russian Language

PROJECTS

- Built a multifunctional 12 channel radio transmitter using ATMEGA2560 board with a NRF24L01 trans-receiver module for wirelessly controlling drones, smart cars and BLE devices.
- Built a self balancing quadcopter which implements a gyroscope/accelerometer for agility.
- Co-designed and built an automated device for testing voltage drops across components of a Printed Circuit Board.(Bachelor's Thesis)
- Developed an android app which uses bluetooth communication protocol to interact with microcontroller to read sensor values.
- Developed a Content Management System for Ghana Highway Authority for the storage and manipulation of employee history.

CONTACT

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EMPLOYMENT HISTORY

Electrical & IT Assistant

Ghana Highway Authority, Kumasi, Ghana (2019 - 2020)

- Facilitated the installation of motion trackers and biometric sensors to enhance security at Government Estates for employees.
- Assisted employees and clients with troubleshooting and diagnosing technical problems arising from company computers, printers and electrical meters which ensured smooth running and reduced operational costs.
- Monitored the expansion and updating of software making institution website stable and resilient against malware.

Volunteer as Mathematics Tutor

Community Schools, Kumasi, Ghana (April 2021 - Present)

- I assist less privileged pupils to have a better grasp of mathematics.

EDUCATIONAL HISTORY

Kazan State Power Engineering University, Russia

BEng Electrical and Electronics Engineering, 2019

- Undergraduate **Research Assistant** (Supervised by Prof Asst Kaminskii Stanislav Stanislavovich)
- Class Representative
- Top 5% of graduating class

Kumasi Anglican Senior High School

Class of 2013

- Member, Olympiad team
- Member, Debate club

REFERENCES

- Academic Advisor: Garifullina Nadezhda Aleksandrovna, Senior Professor, K.S.P.E.U, Russia.
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- HR Manager: Micheal Cyrus Turkson, H.R, Ghana Highway Authority, Kumasi, Ghana
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