

# SAMUEL SELASI KPORVIE

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## COMPUTER SKILLS

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**Programming Languages:** Python, C, MATLAB, R

**Frameworks:** FastAPI, Flask, Django

**Development Tools:** Git, Docker, Vim, Emacs

**Relational Databases:** PostgreSQL, SQLite, MySQL

**Graphic & UI/UX Tools:** Adobe Photoshop, Illustrator & XD

**Circuit Designing Tools:** Pspice, Proteus, Autodesk eagle

## RESEARCH EXPERIENCE

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### AITI-KACE - Research and Innovation Department

2020 - 2022

- Developed backend of Appraisal Management web app using python's FastAPI and PostgreSQL database
- Tested and evaluated e-leave App and developed a documentation ([link](#))
- Tested and evaluated e-Invoice App and developed a documentation ([link](#))

### WACCBIP - Bioinformatics Laboratory

2019

- Homology modeling
- Virtual screening and molecular docking
- Machine learning algorithms for predicting inhibitors of proteins

## TEACHING EXPERIENCE

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### AITI-KACE - Teaching Assistant

2020 - 2022

- Assisted students' python lab practicals

### Miracle Preparatory School - Teaching Assistant

May - July 2019

- Prepared lesson notes and taught junior high schools - 1 to 3 I.C.T based on GES syllables

## PROFESSIONAL TRAINING

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### Software Engineering, ALX

2022 - Present

Software Engineering

**Description:** Project-based curriculum

### Software Engineering, AITI-KACE

2020 - 2021

Backend development

**Description:** Studied backend development with FastAPI

**Google Cloud Certification, Pluralsight** **2019**

Google Cloud in collaboration with Pluralsight

**Description:** Studied the management of google cloud platforms

**Bio-Instrumentation Workshop, University of Ghana** **2018 - 2019**

- Electrical circuit design with CAD (Proteus, Pspice, Autodesk Eagle, Matlab)
- PCB printing using 3D printer

**Description:** Basic electronics

**Systems Engineering and Networking, IPMC, Accra** **2016 - 2017**

- CompTIA A+
- Introduction to computer hardware

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**EDUCATION**

**BSc University of Ghana, Legon** **2016 - 2022**

Bachelor of Science in Engineering

**SHS St. James Seminary and Senior High School** **2013 - 2016**

Program: General Science

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**PROFESSIONAL AFFILIATIONS**

**Postharvest Forum** **2021 - Present**

- Graphic design
- Website development ([website](#))

**Inicio BD** **2019 - Present**

- Graphic design
- Website development ([website](#))

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**REFERENCES**

**1. Mr. Frederick Yeboah**

Director of Research and Innovation Department, AITI-KACE

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**2. Prof. Richard Bani**

Agricultural Engineering Department, University of Ghana

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**3. Dr. Samuel K. Kwofie**

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\***AITI-KACE**: Advance Information Technology Institute- Kofi Annan Center of Excellence \***WACCBIP**: West African Center for Cell Biology of Infectious Pathogens \***GES**: Ghana Education Service \***CAD**: Computer Aided Design