ISSOUF KIEMA

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EDUCATION

University of Washington Professional & Continuing Education — Seattle, WA
Web Development Coding Bootcamp — Nov 2019-May2020

State University of New York at New Paltz — New Paltz, NY
Bachelor of Science in Electrical Engineering — May 2019

Bronx Community College, City University of New York — Bronx, NY
Associates in Applied Science Degree- Electronic Engineering Technology — May 2015

COURSEWORK

Circuit Analysis, Electronics, Applied Electromagnetic, Signals & Systems, Control Systems, Electric Energy System, Computer Simulation, Microprocessor Systems, Embedded Systems, Advanced Cybersecurity, Engineering Management.

WORK HISTORY

Electrical Engineering Department, State University of New York at New Paltz — January 2018-May 2019
Engineering Lab Manager Assistant

- Assist Engineering Lab manager in the department daily operation.
- Order and maintain inventory of electronic components and equipment.
- Assist in maintaining and repairing electronic devices and machines.
- Operate computers, and other electronic equipment in performing assigned tasks.
- Assist professors in 220V power lab.

Civil Engineering Department, Columbia University/ Schuco — Feb 2019-May 2019
Electrical Engineer/ Research Assistant

- Hired by Columbia University's Civil Engineering Department in collaboration with Schuco to design a self-powered wireless sensing device for building information system.

Aesthetic Green Power(AGP) / Columbia University Solar Research Center — May 2018-August 2018
Summer Lead Engineer Intern

- Contributed in executing a half million-dollar custom designed canopy BIPV glass panels project.
- Solder solar cells to form strings used in solar panels.
- Followed electrical schematic to wire solar cells.
- Assisted in operating laminator and LED solar simulator.
- Tested and recorded solar panels power after lamination.

PROJECTS

- Capstone Design Project: Designed a solar powered thermos-electric cooler using a Peltier device.
- FM Radio: Used Multisim to design, assemble and tune a radio to obtain 8 channels.
- Energy harvesting unit: Developed an energy harvesting and low powered consumption device using ESP32 and BQ25504.

SKILLS

- **Software:** C/C++, Javascript, HTML, CSS, jQuery, MatLab, Assembly Language, Pspice, Microsoft office.
- **Hardware:** soldering, printed circuit boards, designing, simulating and troubleshooting electronics circuits.
- **Operating Systems:** Windows, Mac OSX and Linux.
- **Languages:** French and English written and verbal.

HONORS AND AWARDS

- Honorary member of Phi Theta Kappa Honor Society
- Member of Tau Alpha Pi Honor society
- Bronx Community College Outstanding Leadership Award
- CUNY Vice Chancellor's excellence in Leadership Award