Djibril Sall

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Education

Master of Engineering in Electrical Engineering (Embedded Systems)   **GPA: 3.6**
University of Cincinnati, Cincinnati, OH   2018

Bachelor of Science in Electronic Engineering Technology   **GPA: 3.5**
Northern Kentucky University, Highland Heights, KY   July 2017

Associate of Science in Electronic Engineering Technology   **GPA: 3.5**
Cincinnati State Technical & Community College, Cincinnati, OH   August 2015

Work Experience

Duke Energy, Cincinnati, OH, *Metering Services Co-op*   May 2015 – Dec 2015
- Tested electrical meters and metering data transmission node boxes with metering services lab technicians
- Analysis of industrial meters data with meter engineers to detect flows and send repair crews to avoid revenue losses
- Coordinated the RMA process of Ambient communication boxes with Ericsson Corp (Boston, MA)
- Documented new testing procedures and automated testing documentation for the technicians

The Christ Hospital, Cincinnati, OH, *Biomedical Engineering Co-op*   Jan. 2015 - May 2015
- Tested and repaired medical devices to ensure they work properly before usage by medical staff
- Responsible for making appropriate financial decision on the purchase or repair of tested medical devices
- Assist medical staff on the usage of some medical equipment

Cincinnati State Technical & Community College, Cincinnati, OH   Jan. 2014 – Jan. 2015
- Worked as a tutor in math, and various engineering courses
- Student ambassador: assisting in college events and giving tours to prospective students

Skills

Technical Skills:
- Designing Digital and Analog electronics circuits
- Programming Micro-controllers and PLC (Arduino, Raspberry-Pi, MSP-430, PIC and FPGA): C, Assembly, Verilog, Ladder Logic, RTOS
- Software: Multisim, Quartus, Microchip IDE
- Asynchronous and synchronous communication protocols: I2C, SPI, BLE, UART
- Web and Mobile Development: Node, React, React-Native, Express-js, Rest-Api
- Wireless Networking: CDMA, GSM, TCP/IP, MQTT
- Programming: HTML, CSS, C++, C, C#, Python, OpenCV (python), Java, Javascript
- Computer Aided Drafting and Design (CADD): Solidworks, Siemens NX and Autocad
- Hydraulics, Static, Finite Element analysis, Quality Control
- Microsoft Office: Word, Excel, PowerPoint

Languages:
- English and French: Fluent
- Wolof, Bambara, Fulani: Fluent

Leadership and extracurricular activities
- Member of ASU (African Student Association) and the National Society of Black Engineers
- Soccer and Basketball
- Travelling