**KOUADIO N’DAH** [kouadio.ndah@ieee.org](mailto:kouadio.ndah@mnsu.edu)

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**Summary of Qualifications**



* VLSI Design and verification
* Time Management and Organization Skills
* C programming, CAD, MATLAB
* PCB Design, Circuit simulation and Analytics
* Project Management

**Education**

**Bachelor of Science in Electrical Engineering** December 2020

Minnesota State University, Mankato

**Data Analytics and Visualization** **Boot-Camp** March 2021

University of Minnesota

**Related Courses**

VLSI design, Electronics, Electromagnetism, Control System, Microprocessor Engineering, Electromechanics

**Skills**

**Hardware:** Schematic layout, PCB design, Soldering, Circuit design, Oscilloscope, Multimeter

**Software:** Python, C, Eagle Card PCB, CAD, MATLAB, VDHL Assembly, Visual Studio, Pandas, SQL, HTML

**Other Skills**: Testing, Debugging, Troubleshooting, Lab test setup, Firmware, Microcontroller, Microsoft Suite

**Languages:** Fluent in English and French

**Projects**

**VLSI DESIGN**

Minnesota State University, Mankato Sept 2019-May 2020

* Design a Full Adder using Cadence software

**Senior Design Project: Home Automation System**

Minnesota State University, Mankato Sept 2019-May 2020

* Designed Home automation systems to controlled appliances Using Bluetooth and Arduino.
* Designed printed circuit board Eagle card Software
* Implemented a program in java

**Junior Design Project - Keypad:**

Minnesota State University, Mankato Sept 2018-May2019

* Designed a keypad with voice program that supported woman with cerebral palsy to communicate efficiently by collaborating with a team of 2 members
* Implemented a program using sqilite3 and NetBeans to generate a database and a graphical user interface
* Designed Printed Circuit Board Using Eagle Card Software
* Conducted meetings, completed individual tasks, and set time-limit goals to complete project within time

**Related Experiences**

**Teacher Assistant**

Minnesota State University, Mankato Sept 2018- May 2020

* Instructed a junior level material lab of 30+ students twice a week.
* Evaluated reports and provided detailed explanation on experimental processes
* Demonstrated the use of lab equipment such as oscilloscopes, multimeters, power supply

**Current Professional Organization Membership:** Institute of Electrical, Electronic Engineer