

Christiana Tembo

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EDUCATION

Bachelor of Science, Electrical and Electronics Engineering

Expected June 2021

Seattle University, Seattle, WA

- Relevant Coursework: Circuits II, Semiconductors Devices, Circuits and electronics Laboratory
- Member, Tau Sigma Honor Society
- President, National Society of Black Engineers

Associate in Science, Electrical and Computer Engineering

June 2019

Bellevue College, Bellevue, WA

- Relevant Coursework: Engineering Physics, Circuits I

SKILLS AND QUALIFICATIONS

- **Lab equipment:** Oscilloscope, Arbitrary Waveform Generator, DC Power Supply, Multimeter, Soldering tools
- **Software:** Microsoft Office, MATLAB, AutoCAD, MultiSim, ModelSim, Ultiboard, Quartus
- **Hardware:** Raspberry Pi, FPGA, Cypress Board
- **Computer Languages:** Java, Python and VHDL
- Tri-lingual in English, French and Lingala (spoken and written)

NOTABLE PROJECTS

KiloWatts for Humanity, Volunteer

March 2020-Present

Seattle, WA

- Build 2.4 kilowatts solar microgrid to provide localized power for the Kachomba village in Zambia

Time Display Counter, Personal Project

January 2020 – March 2020

Seattle University, Seattle, WA

- Utilized a seven-segment decoder with a cypress board and the PSoC software to create a time display counter

Mobile Robot, Junior Circuit Lab

September 2019 – March 2019

Seattle University, Seattle, WA

- Engineered a line-following robot using a DC motor driver and a pulse with modulation input from a RaspberryPi and a DC-DC converter
- Developed algorithm in Python and C++ to control robot movement inside an amoeba shape

LED Display, Electric Circuits

September 2019 – December 2019

Seattle University, Seattle, WA

- Designed a PCB using Ultiboard after simulating the circuit on MultiSim to successfully display 15 LEDs lighting up simultaneously after pressing a switch

ADDITIONAL EXPERIENCE

Diversity Equity and Inclusion Ambassador, College of Science and Engineering

February 2020 – Present

Seattle University, Seattle, WA

- Collect and interpret data from 200 survey responses to better understand the experiences of underrepresented minorities in the College of Science and Engineering
- Wrote weekly correspondents to the Faculty Board reporting survey results used to inform policy changes and college climate initiatives

Front Desk Coordinator, Student Programs

July 2018 – June 2019

Bellevue College, Bellevue, WA

- Assisted an average of 50+ students per week with campus resources by answering queries and providing solutions via telephone, mail or in person
- Responsible for editing, publishing and updating the classified ads website, Bellevue College's version of Craigslist