**EDUCATION**

**Oakland University**, *Rochester, MI* December 2019

Master of Electrical & Computer Engineering

**Oakland University,** *Rochester, MI* August 2018

Bachelor of Electrical Engineering

**WORK EXPERIENCE**

**Gala & Associates,***Beverly Hills, MI* July 2018- February 2020

Electrical Design Engineer

* Inspect field work to ensure conformance with plans and specifications; maintain proper and safe working environment
* Provide technical design support with the Electrical department
* Perform analysis, design, and documentations of building electrical systems, including power distributions, lighting, and fire alarm systems.
* Design the lighting (interior and exterior) for industrial building and use visual lighting software to calculate lighting foot candle.
* Design and install transmission lines and poles
* Collaborate and coordinate design with engineers, architects, design, owner, product manufacturer vendors, and building contractors as

required.

**Hybrid Design Services, *Troy****, MI* July 2020- December 2020

Electrical Engineer

* Electrical Architecture Development
* HIL Testing
* Wiring Design LV/HV
* Bus Bar Design

**DESIGN PROJECTS**

**Forklift Robot:**

* Developed a robot base on Arduino board, including circuit design (LCD, keypad, breadboard,
* 4 wheels rover robot, and three power supply to power the robot, and final assembly

## **Designing piezoelectric :**

* Creating surface acoustic wave pressure sensor to measure gas concentration, using COMSOL software utilizing sensing film material ZNO to detect chemical and biological substances

## **Pulse Heart Sensor:**

* Implemented sensor using dragon board to calculate heart beats per second and show the results on the MATLAB software as sine wave

## **Self-Balancing Robot:**

* Team leader of graduation project, based on Arduino code, including circuit design (Bluetooth, sensors, LCD display), software implementation, and final assembly.

**SKILLS/LANGUAGES**

Arduino  AutoCAD Revit  Visual Basic  HTML, MATLAB  Java, C/C++  Embedded Systems  VHDL COMSOL Schematic  Design Integration Testing  PCB  Component Soldering CANalyzer PLC Management MS Word  MS Excel  MS PowerPoint

**REFERENCES**

Available upon request.