

NAWAFF ALSALMI

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EDUCATION

OREGON STATE UNIVERSITY

MARCH 2016- CURRENT EXPECTED GRADUATION JUNE 2020

BS, ELECTRICAL AND COMPUTER ENGINEERING

GPA 3.21

Complete courses: Digital Logic Design, Differential Equations, Matrix & Power Series Methods, Electronics, Signals & Systems, Computer Org. & Assembly Language, Linear Algebra, Science, Technology & Society, DATA STRUCTURES, Engineering Project, CMOS INTEGRATED CIRCUITS, POWER SYSTEM ANALYSIS .

SKILLS

- Critical Thinking
- Expert in Microsoft Office
- Instrumentation and Electrical Measurements
- Intermediate C++/C
- Proficiency in circuit simulation (PSpice), Simulink, LTSpice Software
- Intermediate Visual studio
- Beginner MATLAB
- Expert in Vim editor in Linux
- Exposure in PCB design and Fabrication/Assembly
- Intermediate Diamond (Verilog)
- Intermediate Quartus
- Intermediate PowerFlow
- Intermediate Simulink
- Intermediate Kicad

PROJECTS

- Audio visual device: This project is about building a functional crossover network made of three filters (low pass, band pass and high pass) and an amplifier for each filter. I was

responsible for the hardware and debugging. Practiced skills in PCB design with filters Also debugging.

- Controller: This design reads a VCR remote, an N64 controller, and a 272 Button board. The input is selected by series of three switches, one switch per controller. I was responsible for NES Consoler. Practiced skills is design, send and receive signal.
- Music Rhythm LED Flash light using Microphone DANCING LEDs. Practiced skills in PCB breadboard, deal with microphone sensor, and Bipolar Junction Transistor.
- photovoltaic cells project: this project was to prove that the solar cells voltage differ depends on the angel. Practice skill in FRDM-KL46Z board and knowing the solar cell positioning system.
- system to grow plants: There are three factors to consider while creating this system, heat, water, and light. The equipments are Light, Water, 2nd Water, Heating, Arduino, and Relay. Practice skill is designing systems.
- Power supply: designed a PCB using Kicad, use the right component to meet the needs. Tested. This project takes 48 volt and outputs 12 Volt. Component are Surface mount.
- Senior design: Motor controller, dealing with PCB.