Wael Al-Zubieri

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Objective

I am an electrical and computer engineering undergraduate looking to expand my experience outside the classroom, and to participate in large scale and small scale engineering projects. Gain more experiencing dealing with software tools that are important for the industry, and learn more about the what makes robust engineer in term of work practices and work ethics.

Education

Academic Qualifications

- **Oregon State University** — **Corvallis, Oregon**
  GPA 3.94, Electrical and Computer Engineering — *expected 2020*

Notable Projects

- **Test bench for Daimler Trucks** *'Built and designed a complex test bench'*

  This solo project involved designing and building a complex testing bench. It involved studying how dozens of ECUs worked together, and building the communication network which involved miles of wiring
- **Design a bluetooth AC switch** *'Control an AC switch with a smartphone through an app'*

  I worked on doing the majority of coding for the micro-controller and also built an Android app that controller the micro-controller over Bluetooth.

Technical and Personal skills

- **Programming Languages:** C, C++, Matlab, Systemverilog, and Java

- **Industry Software Skills:** Matlab, LTspice, codeblocks and Diamond Lattice

- **Working with Field-programmable Grid Array:** Worked on multiple projects that involved using FPGAs. From wiring, to writing code, and flashing the FPGA boards using Diamond Lattice.

- **Bilingual:** Flaunt in both Arabic and English

- **Other:** Intermediate skills in soldering electric components, and also experience with CMT oven and soldering micro electronic components.

Previous Employment

Daimler Trucks North America — **Portland, Oregon**
Engineering INtern, — *April 2019 - September 2019*
I worked with telematics team to streamline the testing for the trucks ECUs. I built two complete test benches for the team. I developed testing scripts that simulated CAN BUS signals and developed testing script to evaluate the function of the ECUs

Asset Campus Housing — **Eugene, Oregon**
Community Assistant, — *December 2017 - September 2018*
Worked in an office environment as a leasing agent and that involved closing deals with costumers, Filed paperwork and organized tenants files, Involved extensive costumer interaction in person and on the phone, and resolved roommate issues.