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|  **Hassan Bazzi** |
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**OBJECTIVE**

Electrical engineering graduate with analytical and solution-oriented skills. Recognized for fast learning under pressure, good technical abilities, team working skills as well as a leader and exceptional work ethics. Seeking a full-time position in the electrical engineering field, to utilize and add to my engineering expertise. Leading with a creative, technology- driven company in an environment that encourages innovative thinking, recognition, and career development.

**EDUCATION**

* Wayne State University, Detroit, MI
	+ B.S. in Electrical and Computer Engineering, graduation: 12/2020

**PROFESSIONAL EXPERIENCE**

TeleNA LLC

\*Engineering Intern

(January 2020 – September 2020)

* 3D Printing Project –Programmed sensors via Arduino to achieve accurate final product with superb quality.
* C++ Project – Resolved complex problems via research and analysis of ready-made programs.
* Android- designed and developed a hack to bypass android using adb.
* Modified bootloaders to bypass security system of device.

\*Wayne Auto Tech

Assistant Mechanic

(August 2015- January 2018)

* Inspected vehicles and performed diagnostics to gain thorough understanding of the problem. Conducted root cause analysis and completed preventative maintenance corrected automotive problems related to engine and transmission performance, electrical wire harness, and electrical systems

**PROJECTS**

CAPSTONE SENIOR DESIGN PROJECT – FALL 2020

* Magnetic Levitation System – Designed a PID control mechanism for a magnetic levitation system to keep an object levitating at a certain position from reference without physical contact.

FACIAL RECOGNITION IN AUTOMOBILES – **SUMMER 2019**

* Designed a facial recognition system to replace push to start ignition for Automobiles.
* Wrote and applied Python code to differentiate between designated approved car owners and possible thieves.
* Programmed thermal sensor to detect movement in driver seat and communicate to camera to turn on and begin recognition.

PEAK DETECTOR PROJECT – WINTER 2019

* Interpreted schematics and other materials to build a peak detector using a diode, amplifier, and a capacitor.

**TECHNICAL PROFICIENCIES**

Programming : MATLAB, C, C++, Assembly Code, Arduino, NXC, Python

Tools: EVBPlus2, Digital IC’s, Multimeter, Oscilloscope, Function Generator, Multism, AutoCAD, Microsoft office, Solidworks, CANalyzer

**ACTIVITIES & MEMBERSHIPS**

* Gracie Barra jujitsu student
* Institute of electrical and electronic engineer’s student chapter, secretary