ALENN WRIGHT

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Flexible and resourceful employee able to work in fast-paced diverse areas. Proficient in picking up new skills and eager to learn. Knowledgeable in Assembly, MYSQL, Verilog, HTML, CSS, PHP, and MATLAB languages. Strong abilities with Java, Python, and C. Skills in soldering, bread-boarding, circuit building, PCB design, and Artificial Intelligence. Adept in Word, Excel, and PowerPoint.

EDUCATION

NORTHERN ARIZONA UNIVERSITY - Flagstaff, Arizona   Graduated December 2021
Bachelor of Science, College of Engineering, Informatics, and Applied Sciences (GPA: 2.96)
Major in Electrical Engineering with an emphasis in Computer Engineering and Minor in Computer Science

Theta Tau - Webmaster, Build Committee   February 2019 - December 2021
Theta Tau is a Professional Engineering Fraternal Society. As Webmaster, I established and updated the chapter Webpage. The responsibility of the Build committee was to aid the design and development of semi-annual build projects.

PROJECT EXPERIENCE

AI Controlled Research Greenhouse Project - Flagstaff, AZ   May 2021 - July 2021
Software Developer
A research project to develop an Object Detection AI to grow plants with minimal human assistance. The project utilized a Raspberry Pi with soil, temperature, and humidity sensors to monitor, with the AI processing images taken hourly. The AI was programmed in Python using TensorFlow and trained by growing SunFlowers from germination to adulthood.

NAU IOT Research Greenhouse Sensor Project- Flagstaff, AZ   August 2020 - April 2021
Initiator, Website Coordinator, Treasurer
The NAU Research Greenhouse had an outdated system without a simple way to read the temperature, humidity, or light levels. The project solved this with 10 Wi-Fi-enabled sensor modules that we developed. These modules were connected to a Raspberry Pi to manage the data, store the data, and post the data to the project website.

CS249 Data Structures   January 2021 - April 2021
Student
Designed, analyzed, and implemented techniques or algorithms on abstract data types spanning sets, arrays, lists, trees, heaps, stacks, and graphs. Projects are available on my GitHub.

EE286 EE Design: The Process   January 2019 - April 2019
Student
Learned project design and team structures while developing three projects of our choice. We developed a low-pass filter ADC, a temperature display using 7-segment displays and a resistive temp sensor, and a Bluetooth weather sensor boat that relayed sensor data with a Bluetooth serial monitor.

AWARDS & OTHERS

Awards: Eagle Scout(2014), International Baccalaureate Certificate (2017), Employee of the Month TXRH (July 2018, September 2019)

References available upon request