Shane H Bolding

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**Education**

University of West Florida Pensacola,FL

BACHELOR OF SCIENCE IN COMPUTER ENGINEER , GPA:3.22 May2020

University of West Florida Pensacola,FL

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEER , GPA:3.43 May2020

**Skills and Experiences**

* **Languages** C,C++,HTML,Phython,Java,VHDL,Assembly,Spanish(basic),Japanese(basic)
* **IDEs** Arduino,Dev-C++,AWS,Ecllipse,VisualStudios,Vim
* **Work Ethic** I ensure you I will be your best employee by the end of the month

University of West Florida Pensacola,FL **Tutor** Aug. 2019-May2020

* Educated a myriad of students in any subject that fell underneath the degrees of Computer/ElectricalEngineering or ComputerScience
* Collected multiple different perspectives of many subjects under my degrees
* revamped and reviewed everything that I have learned during college career
* reinforced everything that I have learned with the ability to explain these things in simplistic way

University of West Florida Pensacola,FL **Full Time Student** Aug. 2015-May2020

* Always took to my assignments like failure wasn’t an option because it really wasn’t
* In order to get two degrees at once I couldn’t fail anything after I made a mistake failing one class as a freshmen
* Attained the skills needed to learn two and sometimes three different categories a semester
* Never striven for less than an A and some semesters worked 60+ hours a week

**Projects and Abilities**

*Capstone*

* Constructed a robot with my teammates to enter a Southeastern Conference International Electrical Engineers competition in order to exercise my collected knowledge from my degree
* Instructed the robot to find color coded Lego blocks to stack in the color coded numbers of pi in under three minutes during the competition
* Manipulated algorithms to make the robot run as smooth and as fast as it could duringthe allocated time of the contest

*AlteraDE1Calculator*

* Engineered a calculator using the AlteraDE1 programmable board and VHDL.
* Implemented full use of the boards dipswitches and 8-segment LED’s.

*BandLimitedChannelW/Equalization*

* Crafted a circuit that created a bandlimited channel to send a signal.
* Created a circuit that then equalized the signal to read from the channel.

*TravelingSalesmenSolution*

* Constructed a program that found the solution of the quickest path a salesmen should take out of a multitude of options.
* Implemented clean and commented code as for ease of teamwork.

*PatternRecognition*

* Assembled an AI that could recognize between 20 fish with 97 percent accuracy.
* Crafted a self learning algorithm that determined the best and most accurate AI system