Shane H Bolding

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Education

University of West Florida *Pensacola, FL*

Bachelor of Science in Computer Engineer, GPA: 3.22 *May 2020*

University of West Florida *Pensacola, FL*

Bachelor of Science in Electrical Engineer, GPA: 3.43 *May 2020*

Skills and Experiences

Languages C, C++, HTML, Phython, Java, VHDL, Assembly, Spanish (basic), Japanese (basic)

IDEs Arduino, Dev-C++, AWS, Ecllipse, Visual Studios, Vim

University of West Florida *Pensacola, FL*

Tutor *Aug. 2019 - May 2020*

- Educated a myriad of students in any subject that fell underneath the degrees of Computer or Electrical Engineering
- 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 at a simplistic cadence

Crestview High School Engineering Team *Crestview, FL*

Team Leader *Aug. 2014 - June 2015*

- Lead a team in making an electric go-kart for an Electrathon competition to see how far and fast a self built electric cart can go
- Engineered a multitude of problems while creating this cart
- Attained the skills needed to lead a group and manage people in a project due date environment
- Trained the students who felt not up to par to a level that they were proud of at the end of the project

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 during the allocated time of the contest

Altera DE1 Calculator

- Engineered a calculator using the Altera DE1 programmable board and VHDL.
- Implemented full use of the boards dip switches and 8-segment LED's.

Band Limited Channel W/ Equalization

- Crafted a circuit that created a band limited channel to send a signal.
- Created a circuit that then equalized the signal to read from the channel.

Traveling Salesmen Solution

- 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.

Pattern Recognition

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