

Brian Joyner

Local Address

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Permanent Address

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Objective

To obtain work experience through the internship program for the summer of 2017 before entering graduate school.

Education

Bachelor of Computer Engineering

Mississippi State University. Starkville, MS. May 2017. Overall GPA: 3.59/4.00 MSU GPA: 3.83/4.00

Academic Experience

CPE Senior Design Team Leader

MSU Department of Electrical and Computer Engineering, Fall 2016

Designing a UAS system to improve operator awareness of surrounding aircraft.

- Lead team design and meetings with the team advisor.
- Design of communications systems between the UAS and ground station.
- Implementation of map overlay and advisories for the user.
- Employ modular testing strategies for subsystems of the project.

Work Experience

Abby Manufacturing Co.

May 2012 to July 2012

- Used a CNC machine to drill metal.
- Inspection and cleaning of parts.
- Communicate with other areas of assembly to ensure product was finished in a timely manner and product count was accurate.

Skills

- Knowledge of CSS, SQL, UNIX, JavaScript.
- Proficient in C, C++, PHP, HTML, Java, Python 2.7.
- Experience with debugging tools such as Visual Studio and Netbeans.
- Design and testing of hardware using Xilinx Vivado and the Verilog HDL.
- Extensive knowledge of Microcontrollers and I2C, UART, SPI peripherals.
- Experience with circuit simulation and PCB design software such as PSpice and OrCAD.

Relevant Coursework

Embedded Systems, Microprocessors, Digital System Design, Computer Architecture, Operating Systems I, Data Communication Networks, Distributed Client/Server Programming, Data Structures and Analysis of Algorithms, Advanced Electronic Circuits, Digital Devices, Signals and Systems