**Brian Joyner**

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| **Local Address**  100 Dawg Drive Apt. 204 Starkville, MS 39759 | bcj162@msstate.edu  662-750-0007 | **Permanent Address**  251 County Road 103  Walnut, MS 38683 |

**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