

Preston Peranich

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Education

Mississippi State University, Mississippi State, MS

Bachelor of Science in Electrical Engineering. Overall GPA: 4.0

Anticipated Graduation: May 2019

- Study Abroad in France: Summer 2016
- President's List Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017, and Spring 2018

Pensacola State College, Pensacola, FL

General Studies. Overall GPA: 4.0

Attended Fall 2013-Spring 2015

Experience

System Test Intern. FreeWave Technologies. (Boulder, CO): May 2018-August 2018

- Developed and executed device network and system testing for radio products.
- Automated tests with Python scripts and unit test framework.
- Contributed to Continuous Integration pipeline, allowing for fast feedback on firmware releases.
- Visualized test data with Splunk to enhance comprehension of results.

Avionics Intern (G500/G600 Program). Gulfstream Aerospace.

(Savannah, GA): May 2017-August 2017

- Performed Integrated Test Procedures and resolved problem reports.
- Released documents to reach team milestones, e.g., integrated test procedures, compliance reports, system requirements documents, etc.
- Wrote Kinds of Operations reports for many avionic systems. Coordinated with engineers and test pilots to ensure compliance was met.

Undergraduate Research Assistant. Center for Advanced Vehicular Systems (CAVS)

(Mississippi State, MS): Fall 2016-current

- Researched a platform to produce signals for a high-power density three phase voltage source inverter with grid-tie capability. Worked with colleagues to create robust switching algorithm and GUI interface for Ti MCU.
- Programmed remote control commands for semi-autonomous/collision avoidant vehicle via controller and python script.

Assistant/Shop Technician. IBS/HAWK SCADA (Starkville, MS): February 2016-May 2016

- Assisted the front office with customer support and parts ordering.
- Soldered and quality tested circuit boards to be deployed for field use.

Skills

Python, C, C++, Microcontrollers, Test Development, MATLAB, Embedded Systems, Soldering

Activities

House Attendant at Kappa Delta Sorority (Starkville, MS): January 2018-current

- Maintained responsibility for assisting House Cooks with daily duties on weekday meals.

Vice Chair of Service of Honors Council at Mississippi State: Fall 2016-Spring 2018

- Lead subcommittee and plan service events for Honors College Students
- Planned Spring 2017 joint service event between MSU and UA honors colleges

Member of Ecocar 3 team at Mississippi State: Spring 2016-Fall 2016

- Assisted Controls sub-team with code review/additions