

Will Meadows

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Education:

Program: Master of Science in Electrical and Computer Engineering
Mississippi State University, Mississippi State, MS
Graduation date: Summer 2019
Overall GPA: 4.00/4.00

Program: Bachelor of Science in Electrical Engineering
Mississippi State University, Mississippi State, MS
Graduation date: May 2018
Overall GPA: 3.91/4.00

Experience:

Oak Ridge National Laboratory – Department of Energy SULI Intern (June – August 2018)



- Sustainability analysis of using smart technologies in manufacturing plants
 - Evaluating bringing Industry 4.0 technology to existing factories
 - Technologies include, internet of things, sensors, and image processing
- Industrial waste recovery analysis
 - Investigating recycling industrial wastes from one industry in other industries

Mississippi State University's Center for Advanced Vehicular Systems (August 2015 –)



- Conversion of a production vehicle into a “drive by wire” system (2017)
 - Developed a software independent circuit that allows a driver to manually override the “drive by wire” system
 - Invented a method of utilizing existing electronics to control steering
- “Car of the Future” Electrical Lead (2016 –)
 - Developed a range extension hybrid vehicle for CAVS internal research
 - Designed and constructed electric powertrain and energy storage system.
 - Worked with a team of undergraduate, graduate, and full-time researchers
- Designed application specific digital and analog circuitry
- Developed experience rapid prototyping and fabricating printed circuit boards
- Gained experience designing, constructing, and installing electrical harnesses

Mississippi Department of Revenue - Data Solutions (Summer, 2012 – 2014)



- Correcting incoming tax returns
- Conducted database error correction and purification

Academics and Activities:

President of IEEE Eta Kappa Nu Honor society (2018)

Member of IEEE Eta Kappa Nu Honor society (2017)

Member of Phi Kappa Phi National Honor Society (2016-18)

- Rank in top 7.5% of the Junior class of all disciplines.

Shackouls Honor College (2014-18)

President's list (2014-2018)

Society of Automotive Engineers (2016)
Mississippi State University EcoCar3 Electrical sub-team (2015)
Engineering study abroad in France (2015)
IEEE Professional Society (2014-2015)

Skills:

- Circuit design and printed circuit board fabrication
- Control systems development using MATLAB and Simulink
- Proficient in Python, C++ and C programming languages
- Skilled with Microsoft Windows and Unix-based operating systems
- Automotive wiring and harnessing
- Automotive high-voltage DC energy systems