

John Smith

Starkville, MS

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EDUCATION

Mississippi State University
Bachelor of Science in Mechanical Engineering
3.75/4.00 GPA

December 2020

CAREER EXPERIENCE

Mississippi State University Center for Advanced Vehicular Systems (CAVS)

June 2019-present

Undergraduate Research Assistant

Manage dynamic experiments of metals for publication in scientific journals and industry research. Participated in a team of 2 graduate and 2 undergraduate researchers on various projects to support the center's research.

- Inventing and patenting actuator control device, which allows actuators to achieve acceleration up to 25,000 m/s² and velocities of 20 m/s.
- Designing and manufacturing the first dynamic monotonic testing apparatus capable of testing materials at the intermediate strain rate with closed loop control.

Gulf State Engineering, Inc. – Nashville, Tennessee

Summer 2018

Mechanical Engineering Intern

Worked directly under the vice president, traveling to various companies and project sites to meet clients, review designs, and discuss the scope of work. Reviewed, updated, and organized CAD drawings for the management of projects.

- Traveled as a company representative to Mars Inc. in Waco, Texas, to present and discuss a multimillion design build for a future factory expansion.
- Self-taught in Risa 3D to design and review structure framing for 3 projects.
- Designed and completed 5 seismic bracing projects using the National Fire Protection Association standards.

Viking Range, LLC – Greenwood, Mississippi

Summer 2017

Mechanical Engineer Intern

Manufactured various prototype pieces to improve new and previously created appliances. Worked with senior lab techs on quality control audits to understand the quality of the manufacturing processes.

- Implemented a solution that salvaged a household appliance, saving the product and approximately \$225,000 in revenue.
- Certified a new residential appliance through the Canadian Standards Association, increasing Viking's portfolio.

NOTABLE ACCOMPLISHMENTS

- American Society of Mechanical Engineers Member Academic Excellence Scholarship
- Sigma Alpha Lambda Honor Society, Alpha Delta Lambda Honor Society, Phi Kappa Phi Honor Society
- President's Scholar
- Shackoul's Honors College

KEY SKILLS

- Certified in Solid Works
- Knowledgeable in Abaqus Finite Element analysis
- Experience with the complete Auto Desk software package