**Morgan Martinez**

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**Education** **Bachelor of Science in Mechanical Engineering,** May 2023

The University of Alabama, Tuscaloosa, AL

Minor: Math

GPA: 3.52/4.0

Honors College

**Computer Skills** Matlab, AutoCAD, I-DEAS, SINDA, Filemaker Pro, SolidWorks, CATIA

**Work Experience** **Engineering Co-op**

*Acme Auto Manufacturing*, Charleston, SC

3rd Term: Quality Analysis – Materials/Metrology Lab, Spring 2022

* Operated materials analysis equipment including SEM and EDS
* Led team of UA students on QA test procedures project
* Designed troubleshooting flow chart for new hires to increase efficiency

2nd Term: Mass Production – Parts Quality (Line Support), Summer 2021

* Investigated and resolved problems on the line
* Demonstrated ability to make decisions in time-limited situations
* Developed and delivered reports to suppliers
* Performed closing force testing for hydraulic tailgate dampers

1st Term: Parts Quality (Body and Chassis Group), Fall 2020

* Updated and edited inventory data in Microsoft Excel
* Worked with suppliers to coordinate production process updates

**Digital Tech Sales Associate,** May – August 2019

*Best Buy*, Tuscaloosa, AL

**Research Undergraduate Research Assistant**, January – May 2020

**Experience** Department of Mechanical Engineering

*The University of Alabama*, Tuscaloosa, AL

* Interacted closely with Dr. Phillip Faculty to test electrical systems
* Drafted report showing estimated savings using new system
* Transitioned to a virtual environment during COVID, demonstrating adaptability and creativity on short notice

**Involvement** Habitat for Humanity

Humane Society of West Alabama

Student Engineers in Action

Undergraduate Peer Partnering (Mentor UPP)