**Charles McGee**

115 Chase Rd Huntsville, AL 35816 • (256) 124-7896 • Charles.mcgee23@bulldogs.aamu.edu

***Physics Major*** and ***Honor Student*** seeking an internship opportunity

* Experience with basic clean room and lab protocol
* Ability to perform statistical and error analysis
* **Languages:** Lab view • Pro-E • C++ • CAD • Solid Works • MATLAB • Microsoft Visual
* **Operating Systems:** Windows 8 • Mac OS X
* **Software:** Microsoft Office Suite • Eclipse • NetBeans IDE 6.0.1 • SDS/2 • Microsoft Visual Studio

**EDUCATION**

Alabama A&M University Normal, AL

**B.S., Physics**  December 2019

**GPA: 3.13/4.0**

**Awards & Honors:**

* Phi Beta Kappa Honor Society, Fall 2017 – Present
* Dean’s List, Spring 2016 – Present

***Related Coursework:***

* Mechanics I & II
* Optics
* Intro to Solid States
* Electricity and Magnetism
* Intro to Quantum Mechanics
* Heat and Thermodynamics

**RESEARCH**

* In collaboration with NASA, worked with a team of 6 members to construct an 8 foot sounding rocket with the SERI Rocket Program
* Recognized by NASA for having the first successful non-pyrotechnic recovery system to deploy
* Designed and constructed the rocket’s pay load system and recovery system from scratch
* Gathered and analyzed the trajectory data from the flight
* Worked with Rocksim to simulate and predict the trajectory of the rocket

**INTERNSHIP**

**U.S. National Laboratory | Intern** Washington, D.C. June 2017 – August 2017

* Performed SRIM simulations of solar wind isotopes into Genesis probe’s primary target

 material for comparison and corrections to mass spectrometry measurements

* Modeled ion erosion and self-armoring for interplanetary dust and micrometeorites
* Performed statistical and error analysis of the results from SRIM simulations

**WORK EXPERIENCE**

**Department of Physics | Lab Assistant** Normal, AL January 2018 – Present

* Repair and maintain equipment in the Engineering Department
* Review and carry out daily procedures for operating lab equipment
* Test new computers for efficiency
* Perform diagnostic operations on computers and corrected problems

*LEADERSHIP:*

* Secretary, Physics Club August 2017 – May 2018