

# AUSTIN L. HALL

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## Objective 🎯

- Physics and mathematics undergraduate seeking experience in a physics or applied mathematics summer internship program. Interested in applying my analytical skills towards problems intersecting these two fields.

## Education 🎓

2015  
2018

### Associate of Science, Arkansas State University

- Health Sciences Concentration

- Graduated in May 2018 and transferred to University of Central Arkansas

2018

### Bachelor of Science, University of Central Arkansas

- Physics Major & Mathematics Minor

- Anticipated Graduation - May 2022

## Experience 🏢

2017

### Teaching Assistant

*Classroom based tutoring for College Algebra students*

2018

### Student Instruction

*Further class instruction for Introductory Chemistry students*

2015

### Course Based Tutoring

- University Course Tutoring

Notable Courses: Physics, Mathematics, Chemistry, Biology

## Research 🔬

2018

### Research Assistant

- University of Central Arkansas

- Radiation Dosing
- Mathematical Modeling
- Fluorescent Cytochemistry

2020  
2021

### Capacitance Rain Gauge 🌧

- E&M Project

- Capacitance based Rainfall Gauge
- Wrote Technical Report
- Presented Theory and Prototype Design

2021

### Weather Station 🌦

- Micro-controllers Project

- SBC based Weather Station
- Data Logging and Website Integration
- Presented Technical Report

2021

### UV Sanitation Chamber 🧪

- Engineering Competition

- Designed UV based Sanitation Chamber
- Created Design Manual
- Conducted Competition

## Collegiate Events & Awards 🏆

- Presidential Scholar/Dean's List
- NASA Research Grant
- Arkansas Academy of Science
- CNSM Research Symposium
- Capstone Presentation
- ACS Chapter President
- Super Science Saturday
- Academic Challenge Scholarship

## Skills & Aptitudes ⚙️

- Complex Problem Solving
- Data Acquisition and Analysis
- Technical Writing/Document Creation
- Collaboration in Team Projects
- Leadership/Tutoring/Mentoring
- Lab Work and Protocols

### Programming 🖥 :

- Python 🐍, L<sup>A</sup>T<sub>E</sub>X, Bash, C++, Github 🌐