

# Austin Stephen

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## Education

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### University of Wyoming

Candidate for BS in Computer Science

Candidate for BA in Statistics with minor in honors

Laramie, Wyoming

Anticipated Grad. May 2023

GPA 4.0/4.0

## Experience

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### University of Wyoming MALLET lab

*Undergraduate Research Fellow*

Laramie, Wyoming

October 2019 - Current

- Quantified Boolean Formula Automated Algorithm Selection Research
  - Contributed an algorithm selection scenario to current ASLIB library in R.
  - Used SLURM HPC scheduler, R and Bash scripting to run suite of experiments and formalize the results to be used in researching automated algorithm selection.
- AI Index Survey of Automated Algorithm Selection
  - Ran a suite of experiments measuring the performance of SAT solvers for HAI lab at Stanford.
  - Automated the experimental procedure to run over 100 thousand individual jobs using the HPC cluster at the University of Wyoming.

### Carnegie Mellon University

*Research Intern (remote)*

Pittsburgh, Pennsylvania

May 2021 - July 2021

- Exploratory Data Analysis of 2021 MLB Batted Balls
  - In a 2-week team exercise, I extracted trends from the 2021 MLB season. An R-shiny app and accompanying a slide deck are featured on my website with the results of our analysis.

### Alpha Kappa Psi

*Director of Community Service*

Laramie, Wyoming

August 2020 - May 2021

- Coordinated 30-person chapter's community service events through the pandemic.

## Featured Articles & Presentations

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### 2021 AI Index

*Experimental Data Contribution (pg. 72)*

Laramie, Wyoming

December 2021

Zhang, Daniel, et al. "The AI Index 2021 Annual Report." Stanford University.

[index.stanford.edu/wp-content/uploads/2021/03/2021-AI-Index-Report\\_Master.pdf](https://index.stanford.edu/wp-content/uploads/2021/03/2021-AI-Index-Report_Master.pdf)

### Wyoming Research Scholar Virtual Symposium

*Presenter*

Laramie, Wyoming

November 2020

Delivered a presentation titled "Improving Automated Machine Learning" that covered the progress in the MALLET lab on incorporating algorithm features into algorithm selection models.

## Languages

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**Extensive Experience:** R

**Moderate Experience:** Bash Shell Scripting, Python, and C/C++

**Basic Experience:** X86 assembly language, Java, JavaScript, PSQL, and Html/CSS

## Awards & Memberships

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**Trustee Scholarship:** 4-year academic full ride at the University of Wyoming

**President's List:** 19-20, 20-21 academic years

**Alpha Kappa Psi:** member since 2019

**Upsilon Pi Epsilon:** member since 2021