B Hunter Cornell

email: b.hunter.cornell@gmail.com - **phone:** (760) 981-5127
github: https://github.com/B-Cornell - **website:** https://b-cornell.github.io/

Education:

B.S. Physics from University of California – Davis   Graduated June 2018
GPA 3.48   Physics GPA 3.50

Relevant Skills:

- 3 Years Experience with Command line, git, linux/unix OS
- 2 Years Experience with Python (numpy, scipy, matplotlib, scikit-learn, pandas)
- Limited Experience with C/C++, SQL, Google Cloud API

Publications:

- _Simulated Analogs of Merging Galaxy Clusters Constrain the Viewing Angle_
  Accepted June 26, 2018 to The Astrophysical Journal
  Journal Link: https://arxiv.org/abs/1805.09375

Programming Experience:

Cosmological Physics Research Assistant | June 2016 - Present

- Lead project data scientist and second author on published paper
- Query, clean, and analyze data while using physics knowledge to determine how to clean data
- Run probability analysis to find useful information within data
- Research current observational cosmology data to compare, create, and understand results
- Create visualizations and write published analysis to explain methods and conclusions

Participant in HackDavis 2018 | January 2018

- Member of a team that created a web applet using Google Cloud Vision API in under 24 hours
- Demoed a program that recursively extracted, processed, and organized data from images of text

Other Work Experience:

Desk Supervisor | UC Davis Libraries | Davis, Ca | November 2017 - June 2018

- Supervise 20+ employees while providing data management support for library catalog maintenance
- Train new employees, create training manual material, digitise and optimise library processes