

EDUCATION

2013-2017 Grinnell College, Grinnell Iowa

B.A. Physics and Theatre

GPA: 3.8 / 4.0

2017-Present The Ohio State University, Columbus Ohio

Ph.D. Astronomy (expected 2022)

RESEARCH EXPERIENCE

REU at The University of Wyoming — Observed known quasars using a 2.3 meter telescope, reduced images, analyzed and pulled data to create quasar light curves on 15 year time scales (Summer 2016)

- **Griffith, Emily**, Neil Bassett, Sophie Deam, Don Dixon, Will Harvey, Daniel Lee, Bradley Lyke, Evan Haze Nunez, Ryan Parziale, Catherine Witherspoon, Adam Myers, Joseph Findlay, Henry Kobulnicky, Daniel Dale. The light curves of quasars over ~15 year time scales. Poster presented at: AAS Winter Meeting; Jan 3-7 2017; Grapevine Texas.

REU at The University of Chicago — Analyzed thermal lines created in spectra taken with the Fermilab Holometer (Summer 2015)

TEACHING AND CURRICULUM EXPERIENCE

Mechanics Lab TA, Grinnell Physics Department — Answered questions and assisted students in completing computational lab activities in Python (Spring 2016)

Student Mentor for Physics I & II, Grinnell Science Learning Center — Aided the professor with in class activities and hosted weekly review sessions with students (Fall 2015 & Fall 2016)

Coding Assistant, Grinnell Physics Department — Updated and created Python programs to be used in Physics I, Physics II, and Modern Physics lab classes (Spring 2015)

Physics I and II Tutor, Grinnell Science Learning Center — Conducted one on one tutoring sessions with students in Physics I. Explained concepts, worked practice problems, and suggest general study habits (Spring 2014 – Spring 2016)

Physics I Grader, Grinnell Physics Department — Graded one section of Physics I homework weekly (Fall 2014)

Student Assistant for Rewriting and Updating Lab Manuals, University of Toledo; Toledo, Ohio — Rewrote three introductory astronomy lab activities with the collaboration of two professors and one graduate student. The updates intended to integrate new computer software (Starry Night) and the University's digital planetarium. (June - August 2013)

Emily Griffith
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CAMPUS INVOLVEMENT

Production Committee Chair TEDx Grinnell College — Contact and organizer for technical components pertaining to the event. This included organizing designers, backstage crew, and live stream personnel as well as stage-managing for the live event (2015 & 2016)

Grinnell College Production Stage Manager — Publicize Theatre and Dance Departmental events, stage-manage, organize and train new crew new members (2014-2017)

Student Educational Policy Committee Member (Theatre and Dance Department) — Liaison between students and faculty members. The SEPC conducts student interviews during tenure reviews, voices student opinions/concerns at faculty meetings, and organize departmental study breaks (2014-2017)

SKILLS

Computing: Python, C, BASH, ds9, IRAF, Unity, LaTeX, Word, Excel, PowerPoint, Photoshop

Observatory time: WIRO 19 nights, Grant Gale Observatory 5 nights