

Alex Polanski

EDUCATION

Email: aspolanski@ku.edu

University of Kansas Ph.D. in Physics, Advisor: Ian Crossfield	Lawrence, KS 2019–Current
University of California, Santa Barbara B.S. in Physics with a Minor in Astronomy & Planetary Science	Santa Barbara, CA 2017–2019
El Camino College A.S. in Physical Sciences	Gardena, CA 2014–2017

RESEARCH POSITIONS

Graduate Research Assistant Advisor: Ian Crossfield	University of Kansas 2019–Current
Undergraduate Researcher Advisor: Philip Lubin	UC Santa Barbara 2018–2019

PUBLICATIONS

- [1] **Alex S. Polanski**, I. Crossfield, *et al.*, “Wolf 503b: Characterization of a Sub-Neptune Orbiting a Metal-Poor K Dwarf”, in *The Astrophysical Journal*, *submission pending*.
- [2] J. Lubin, **Alex S. Polanski**, *et al.*, “TESS-Keck Survey V: Masses of Three Sub-Neptunes Orbiting HD 191939 and the Discovery of Two Outer Jovians”, in *The Astrophysical Journal*, *in prep.*
- [3] L. Morgan, **Alex S. Polanski**, *et al.*, “The Local Galactic Transient Survey”, in *The Astrophysical Journal*, *in prep.*

SEMINARS & COLLOQUIA

- Physics and Astronomy Locally Organized Assembly (PALOOZA) (*Lawrence, KS*) Feb. 2021
Precise Exoplanet Host Star Abundances for the JWST Era
- University of Kansas Astronomy Seminar (*Lawrence, KS*) Oct. 2020
Getting Acquainted with the Exoplanet Wolf 503b
- University of Kansas Graduate Research Seminar (*Lawrence, KS*) Oct. 2019
Analysis of Transiting Exoplanets

CONFERENCE POSTERS

- **2020 Keck Science Meeting:** Wolf 503b: Super-Earth or Sub-Neptune? (*Virtual*) 2020
- **AAS 236th Meeting:** Wolf 503b: Super-Earth or Sub-Neptune? (*Virtual*) 2020

TEACHING

- **Teaching Assistant** University of Kansas Spring 2020, Fall 2020
Astronomy 196 - Introductory Astronomy Lab
- **Head Teaching Assistant** University of Kansas Fall 2019, Spring 2020
Physics 114 - Introductory Physics Lab
- **Teaching Assistant** El Camino College Fall 2015 –Spring 2017
Astronomy 12 - Observational Astronomy

AWARDS AND GRANTS

- Research Honors Award, UC Santa Barbara 2018
- Undergraduate Research and Creative Activities Grant, UC Santa Barbara 2018
- Letters and Science Dean's Honor List, UC Santa Barbara 2018
- Excellence in Astronomy Award, El Camino College 2016
- International Physics Competition Silver Medal 2016

DEPARTMENT LEADERSHIP & OUTREACH

- Physics and Astronomy Locally Organized Assembly (PALOOZA) Coordinator 2020–Current
Currently coordinating a graduate student-led conference to showcase research by students from the University of Kansas physics department.
- Science Technology Engineering and Math (STEM) Ambassador 2016–2017
Conducted outreach to local public schools to encourage younger students to pursue science and engineering majors. Assisted with community events such as health fairs, town hall meetings, observatory open houses etc.

WORKSHOPS AND SUMMER SCHOOLS

- Sagan Exoplanet Summer Workshop (*Virtual*) July 2020
- Graduate Mauna Kea Observing School (*Hawai'i, HI*) June 2020
- JWST Master Class for Proposal Writing (*Lawrence, KS*) March 2020
- Dunlap School for Astronomical Instrumentation (*Toronto, Ontario*) July 2019
- NASA Community College Aerospace Scholars Program (*Pasadena, CA*) April 2016

OBSERVING EXPERIENCE

- **Keck I (10m):** HIRES - W.M Keck Observatory, Hawai'i. 12 nights.
- **Keck II (10m):** NIRC2 - W.M Keck Observatory, Hawai'i. 2 nights.
- **Las Cumbres Observatory:** 0.4 Meter Telescopes - Multiple Locations.

PROFESSIONAL PROGRAMS & SOCIETIES

- Sigma Pi Sigma 2020 – Current
- APS Bridge Program 2019 – Current