

CONTACT INFORMATION	Institute for Astronomy University of Hawai'i at Manoa 2680 Woodlawn Drive, Honolulu, Hawai'i, 96822, USA Office B-101	✉ E-mail: alexaand@hawaii.edu
EDUCATION	Institute for Astronomy, University of Hawai'i at Manoa Honolulu, HI, USA M.S. in Astronomy , Fall 2022 Ph.D. in Astronomy, expected May 2026	2020 – Present
	Yale University New Haven, CT, USA B.S. in Astrophysics Thesis: Using Dark Molecular Clouds to Understand Distant Galaxies Advisor: Hector Arce	2016–2020
RESEARCH POSITIONS	Graduate Researcher , Institute for Astronomy Advisor: Eric Gaidos Summary: Characterized the inner protoplanetary disk of a variable YSO using contemporaneous, multiwavelength (IR - X-ray) data; developed a photometry pipeline for infrared and optical instruments on the Rapid Eye Mount Telescope	August 2021 – Present
	Graduate Researcher , Institute for Astronomy Advisor: Jonathan Williams Summary: Surveyed protoplanetary and protostellar disk masses in the Serpens region and analyzed evolutionary trends across different star-forming regions	August 2020 – August 2021
	NSF REU Researcher , Haystack Observatory, MIT Advisor: Jens Kauffmann Summary: Created an algorithm to describe the density structure of molecular clouds with dendrograms; analyzed temperature, density, and star formation rates of clouds in the LEGO survey; created script for automatic cutouts from IRSA's IPAC database	May 2019 – August 2019
	Undergraduate Researcher , STARS II Fellow, Yale University Advisors: Marla Geha & Hector Arce Summary: Analyzed kinematics of dwarf galaxies; characterized structure and star formation rate of IC 5146	Oct 2018 - May 2020
	Undergraduate Researcher , Yale University Advisor: Hector Arce Summary: Mapped emission lines from molecular outflows for protostars in Perseus	May 2018 – Aug 2018
	Undergraduate Researcher , STARS Summer Fellow, Yale University Advisor: Marla Geha Summary: Modeled satellite galaxy color evolution	May 2017 – Aug 2017
REFEREED PUBLICATIONS	1. Anderson, A.R. , Williams, J.P., van der Marel, N., et al. 2022 (<i>in press, ApJ</i>). <i>Protostellar and Protoplanetary Disk Masses in the Serpens Region</i>	
FELLOWSHIPS & AWARDS	Best Second-Year Project	Institute for Astronomy, 2022
	Best First-Year Project	Institute for Astronomy, 2021
	Director's Research Excellence Award	Institute for Astronomy, 2020
	George Beckwith Prize for Outstanding Graduating Senior	Yale University, 2020
	Research Experience for Undergraduates (REU) Fellowship at MIT	NSF, 2019
	Science, Technology, and Research Scholars II Fellow	Yale University, 2018 – 2020
	Science, Technology, and Research Scholar Summer Fellow	Yale University, 2017

PRESENTATIONS	ALMA Jets and Disks e-Study (JADES) Meeting*	September 2022
(*INVITED)	235th Meeting of the American Astronomical Society	January 2020
	Science, Technology, and Research Scholars at Yale II Program Symposium	November 2019
	Columbia Undergraduate Science Journal Symposium	April 2019
	Science, Technology, and Research Scholars at Yale II Program Symposium	April 2019
	Science, Technology, and Research Scholars at Yale Program Summer Symposium	July 2017
TELESCOPE	NASA IRTF (SpeX) - 6 hours awarded (Co-I)	UH 2022B
PROPOSALS	<i>Running Out of Gas Near the End of Planet Formation</i> PI: Eric Gaidos; Co-I: Rena A. Lee	
	Keck Observatory (NIRSPEC) - 3 nights awarded (Co-I)	UH 2022B
	<i>Resolving protoplanetary disk kinematics to interpret JWST spectra</i> PI: Jonathan P. Williams; Co-I: Adwin Boogert	
OBSERVING	Keck 2 (10 m) NIRSPEC: Two 1/2 nights	2022
EXPERIENCE	IRTf (3 m) iSHELL: 1/2 night	2022
	IRTf (3 m) SpeX: 1/2 night	2020
	IRAM Telescope (30 m): 3 nights	2020
DEPARTMENT	Office Space Representative	2022 - 2023
SERVICE	Faculty Mentor Working Group	2022
	IfA Graduate Admissions Representative	2021 - 2022
OUTREACH	Institute for Astronomy Open House and Invited Talk	April 2022
	Maunakea Observatories Virtual AstroDay	April 2021
MENTORSHIP	IfA Mentoring in Lower Years Mentor	2022 - Present
(*INVITED)	IfA REU Coffee Chat Mentor	2021 - Present
	STARS Summer: Applying to Graduate School Panelist*	2020
	Yale Engineering and Science Weekend Panelist*	2020
	STARS II Senior Mentor	2019 - 2020