

Education

PhD, Astronomy, May 2022 University of Nevada, Las Vegas (UNLV)

Advisor: *Jason Steffen, PhD*

Dissertation: *Terrestrial planet formation in single and binary star systems*

MS, Physics, 2017 UNLV

Advisor: *Jason Steffen, PhD*

Thesis: *Giant planet effects on terrestrial system architecture*

BS, Mathematics, 2014 UNLV

Teaching Experience

Physics Teaching Assistant, 2017-2020 UNLV

Astronomy Teaching Assistant, 2015-2019 UNLV

Math Teacher, 2013 College of Southern Nevada

Research Experience

Graduate Research Assistant, 2015-present UNLV

Advisor: *Jason Steffen, PhD*

Topics: *planet formation theory, exoplanets, & numerical methods*

Research Intern, 2018 NASA Goddard, Greenbelt, MD

Advisor: *Elisa Quintana, PhD*

Research Intern, 2016 NASA Ames, Moffett Field, CA

Advisor: *Elisa Quintana, PhD*

Undergraduate Research Assistant, 2013-2014 Lawrence Berkeley National Laboratory

Advisor: *Dennis Lindle, PhD*

Topics: *physical chemistry & experimental physics*

Publications

Terrestrial planet formation in misaligned circumbinary disks Childs & Martin

ApJL, (in prep)

Collisional fragmentation and bulk composition tracking in REBOUND Childs & Steffen

MNRAS, (Submitted November 2021)

Formation of polar terrestrial circumbinary planets Childs & Martin

ApJL, August 2021

Terrestrial planet formation in a circumbinary disc around a coplanar binary Childs & Martin

MNRAS, August 2021

Giant planet effects on terrestrial planet formation and system architecture Childs et al.

MNRAS, February 2019

Press _____

Perpendicular planets are less peculiar than you'd think Astrobites, 23 November 2021

Another Kind of Tatooine: Can Planets Form Perpendicular to a Binary System? AAS NOVA, 25 October 2021

Awards _____

Nevada Space Grant Consortium Graduate Fellowship, 2019-2020. NASA

Graduate Assistantship, 2015-present UNLV

UNLV Symphony Music Scholarship, 2009-2014 UNLV

Millennium Scholarship, 2009-2014 UNLV

Outreach _____

Colloquium speaker, 2019-2020 Las Vegas Astronomical Society

Organizer and speaker, 2019 Astronomy on Tap, Las Vegas

Volunteer violinist, 2018-2020 Henderson Symphony Orchestra

References _____

References provided on request.