

Jonathon ZINK

PERSONAL DATA

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EDUCATION

EXPECTED 2021 Ph.D. in ASTRONOMY, **University of California**, Los Angeles
Advisor: Prof. Bradley Hansen
MAY 2016 M.S. in PHYSICS, **California State University**, Northridge
Advisor: Prof. Damian Christian
JUNE 2014 B.S. in ASTROPHYSICS, **University of California**, Los Angeles

TEACHING EXPERIENCE

<i>Current</i> SEPT 2016	Teaching Assistant University of California , Los Angeles <i>Astro 140: Cosmology</i> <i>Astro 115: Statistical Mechanics</i> <i>Astro 5: Life in the Universe</i> <i>Physics 6A: Physics for Life Science</i> <i>Astro 117: Radiation and Fluids</i> <i>Astro 127: Stellar Atmospheres</i> <i>Astro 4: Black Holes and Cosmic Catastrophes</i>
MAY 2016 AUG 2014	Teaching Associate California State University , Northridge <i>Physics 100AL: Electricity and Magnetism Lab for Life Science</i> <i>Physics 220BL: Electricity and Magnetism Lab</i> <i>Astro 152L: Observational Astronomy</i>

SCHOLARSHIPS AND AWARDS

JANUARY 2019 IPAC Visiting Graduate Fellowship
DECEMBER 2017 UCLA Astronomy Outstanding TA Award
MAY 2016 CSUN Outstanding Graduate Award
MAY 2015 CSUN Outstanding Graduate Student Scholarship
MAY 2015 CSUN Summer Research Fellowship

RESEARCH EXPERIENCE

University of California, Los Angeles

Analysis of exoplanet multiplicity demographics using Bayesian statistics. Specifically, investigating the probability of an Earth-like planet around a sun-like star.
Designed program capable of extracting multiple planets from radial velocity data.

California State University, Northridge

Used WISE and 2MASS data to create target list of exoplanet candidates with IR excess.
Analytical investigation of Short GRBs, associating spectra of GRB with Host Galaxy.

REFEREED PUBLICATIONS

Jonathon Zink, Jessie Christiansen, and Bradley Hansen 2018, in Preprint, "Accounting for Incompleteness due to Transit Multiplicity in *Kepler* Occurrence Rates"

Jonathon Zink and Damian Christian 2016, arXiv:1607.07894, "The Search for WISE-selected IR-excess Candidates at the Detection Limit"

Bradley Hansen and **Jonathon Zink** 2015, MNRAS, 450, 4505-4520, "On the Potentially Dramatic History of the Super-Earth Rho 55 Cancri e"

TALKS/POSTERS

Accounting for Incompleteness due to Transit Multiplicity, TALK
ExSoCal 2018, Sept. 2018

Dissolving the Kepler Dichotomy, TALK
UCLA, Jan. 2018

Catalog of WISE-selected Exoplanet Candidate Sources, POSTER
Segan Exoplanet Summer Workshop, July 2015

Examining the Reject Table of WISE for Exoplanet and Disk Sources, TALK
ExSoCal 2015: An Exoplanet Orbital Interaction, Sept. 2015

TECHNICAL SKILLS

Proficient in Python, R, Matlab, Java, HTML, IRAF, DS9, Sherpa, and L^AT_EX