

rodrigo luger

coordinates

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Center for Computational
Astrophysics, NY 📍

education

- 2012–2017 **PhD** Astronomy and Astrobiology University of Washington, Seattle WA
+ On the evolution, detection, and characterization of small planets in the habitable zones of M dwarfs
+ Advised by Eric Agol, Rory Barnes, and Victoria Meadows
- 2012–2013 **MSc** Astronomy and Astrobiology University of Washington, Seattle WA
- 2006–2010 **BA** Astrophysics Swarthmore College, Swarthmore PA
+ Minor in English Literature

about

I am a postdoctoral fellow at the Center for Computational Astrophysics in New York City, working on finding novel ways to discover and characterize exoplanets. I am broadly interested in exocartography, astrobiology, systematics modeling, & general analytic techniques for astronomy. Outside of the office I love to hike, cycle, swim, craft lattes, faulty parallelism, and Oxford commas.

positions

- 2018– **Flatiron Fellow** Center for Computational Astrophysics, New York, NY
+ Develop and maintain the **starry** exocartography code
+ Develop methods to detect & characterize exoplanets with TESS and JWST
- 2017–2018 **Postdoctoral Researcher** University of Washington
+ Developed photometric de-trending methods to aid in the search for small planets transiting small stars; developed and maintained the **everest** pipeline
- 2012–2017 **Research Associate** University of Washington
+ Developed techniques to detect and characterize habitable zone planets
+ Investigated the atmospheric evolution of planets orbiting M dwarfs

stats

Total Pubs	33
Refereed	29
First Author	10
Citations	1172
h-index	15

honors

- 2018–2021 **Flatiron Fellowship** Center for Computational Astrophysics, New York, NY
- 2018 **Hubble Postdoctoral Fellowship** (Declined)
- 2018 **51 Pegasi b Fellowship** (Declined)
- 2012–2015 **ARCS Fellowship** University of Washington
- 2010 **Bobby Berman Memorial Prize** Swarthmore College

popular code

starry
Analytic light curves

planetplanet
P-P occultations

everest
K2 de-trending

teaching & outreach

- 2019- **Mentor, AstroCom** AMNH / CUNY
 + Mentor undergraduate students from underrepresented groups in the sciences at the City University of New York
- 2019- **Lecturer, LSST Data Science Fellowship** Carnegie Mellon / Flatiron Institute
 + Lectured on various topics related to statistical inference at week-long schools for early-career astronomers
- 2012-2017 **Mobile Planetarium** University of Washington
 + Presented planetarium shows at schools and public venues throughout Washington state using UW's inflatable mobile planetarium
- 2012-2013 **Teaching Assistant** University of Washington
 + Taught two bi-weekly tutorial sessions for two college astronomy courses
- 2010-2012 **High School Teacher** St. Luke's School, New Canaan CT
 + Created and taught a rigorous, college-level elective course in astrophysics aimed at seniors interested in pursuing college classes in the field
 + Taught three sections of 11th grade physics with a focus on astronomy