

rodrigo luger

coordinates

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Center for Computational
Astrophysics, NY 📍

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.

stats

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

popular code

starry
Analytic light curves
planetplanet
P-P occultations
everest
K2 de-trending

education

2012–2017	PhD Astronomy and Astrobiology + 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	University of Washington, Seattle WA
2012–2013	MSc Astronomy and Astrobiology	University of Washington, Seattle WA
2006–2010	BA Astrophysics + Minor in English Literature	Swarthmore College, Swarthmore PA

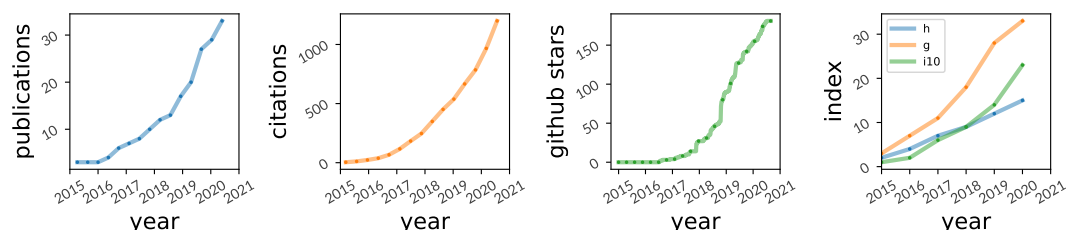
positions

2018–	Flatiron Fellow + Develop and maintain the starry exocartography code + Develop methods to detect & characterize exoplanets with TESS and JWST	Center for Computational Astrophysics, New York, NY
2017–2018	Postdoctoral Researcher + Developed photometric de-trending methods to aid in the search for small planets transiting small stars; developed and maintained the everest pipeline	University of Washington
2012–2017	Research Associate + Developed techniques to detect and characterize habitable zone planets + Investigated the atmospheric evolution of planets orbiting M dwarfs	University of Washington
2008–2009	Student Researcher + Research under Professor Eric Jensen on planet formation and T Tauri disks	Swarthmore College

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
2010	The Phi Beta Kappa Society	Swarthmore College

metrics



references

eric agol

agol@uw.edu

david w. hogg

dhogg@flatironinstitute.org

dan foreman-mackey

foreman.mackey@gmail.com

rory barnes

rory@astro.washington.edu

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, helping students develop critical thinking and creative problem solving skills

2009–2010

Science Associate & Tutor

Swarthmore College

+ Directed weekly large-group study sessions for an introductory course in astronomy; tutored students in courses in mechanics and E&M

students

nicholas saunders

UW, 2016-2018

brynnner hidalgo

CUNY, 2019

asmaa elsayed

CUNY, 2019-

other

2013–2017

IT Manager

Virtual Planet Laboratory, University of Washington

+ Managed VPL's virtual conferencing system and network

2010–2012

Head Coach

St. Luke's School, New Canaan CT

+ Head coach of the JV Boys Soccer and Fencing Teams
+ Assistant coach of the MS Tennis Team

2009–2010

Captain

Swarthmore College Fencing Team

+ Captain and founding member of the Sabre Team