

CURRICULUM VITAE

CONTACT INFO	Xinyu (Cicero) Lu Bloomberg 115, 3400 N. Charles Street, Baltimore, MD, 21218	Email: cicerolu@jhu.edu Url: www.cicerolu.org
RESEARCH INTERESTS	Exoplanets modeling and connecting theoretical formation models with observational results from current and next generation telescopes are my primary interests. I also incorporate machine learning algorithms in astronomical data analyses.	
EDUCATION	Pursuing Ph.D. in Physics and Astronomy, <i>Johns Hopkins University</i> 2017-present Master of Arts in Physics and Astronomy , Johns Hopkins University 05/2019 B.S. in Physics , University of California, Los Angeles 06/2017	
PUBLICATION	Lu, C. X. and Naoz, S. “Supernovae Kicks in Hierarchical Triple Systems”, 2019, <i>Monthly Notices of the Royal Astronomical Society</i> , 484, 2, 1506–1525 Kilpatrick, Charles D.; Foley, Ryan J.; Abramson, Louis E.; Pan, Yen-Chen; Lu, Cicero-Xinyu ; Williams, Peter; Treu, Tommaso; Siebert, Matthew R.; Fassnacht, Christopher D.; Max, Claire E. “On the Progenitor of the Type IIb Supernova 2016gkg”, 2017, <i>Monthly Notices of the Royal Astronomical Society</i> , 65, 4, 4650–4657	
PRESENTATION	Contributed Talk, “ <i>Planet Occurrence as a Function of Metallicity to Probe Planet Formation</i> ”, Chesapeake Bay Area Exoplanet Meeting, May 10th, 2019 Poster Presentation, “Late-type star that host small planets are metal-rich”, The 21st Century H-R Diagram: The Power of Precision Photometry, April 23–26, 2018	
SCHOLARSHIPS	UCLA Undergraduate Research Scholars Program Scholarship : Awarded Scholarship by Van Tree Foundation, Sept. 2016 - July 2017 UCLA Honors 2015 Summer Research Scholarship Recipient : Awarded Stone Scholarship fund for summer research, Jun. 2015 - Sept. 2015	
TEACHING	2019 Spring: TEACHING ASSISTANT, AS.171.416/AS.171.610 Numerical Methods for Physicists, Lecturer: Prof. Kevin Schlaufman 2018 Fall TEACHING ASSISTANT, AS.020.334.01 Planets, Life and the Universe. Lecturer: Prof. Colin Norman & Jocelyne DiRuggiero 2018 Spring: TEACHING ASSISTANT, AS.171.104 General Physics/Biology Majors II Lecturer: Prof. Peter Armitage 2018 Spring: TEACHER, <i>AS.173.112 General Physics Laboratory I</i> 2017 Fall TEACHING ASSISTANT, <i>AS.171.107 General Physics for Physical Sciences Majors (AL)</i> Lecturer: Prof. Robert Leheny & Prof. Rosemary Wyse 2017 Fall TEACHER, <i>AS.173.111 General Physics Laboratory I</i>	
COMPETITION AWARDS	Mathematical Contest in Modeling Meritorious Winner of 2015 (Top 10% globally) • Implemented Monte Carlo algorithm and greedy-like search algorithm; Modeling with Matlab and Mathematica with Bayes analysis	Global Contest 03/2015

Teradata Hackathon

Los Angeles

Won LA regional 4th place

10/2015

- Used 5 Gigabytes of static data from Teradata database and dynamic data scraped from twitter, designed an algorithm to optimize living condition for household buyers with five customizable parameters, such as price, reputations, living cost, etc

SKILLSPython, Mathematica, \LaTeX , Matlab, C++, HTML5/CSS, PHP