## Dr. Kyle Finner Curriculum Vitae

Research Scientist IPAC, California Institute of Technology Pasadena CA USA	kfinner@caltech.edu 747-609-8272 kylefinner github io	
RESEARCH INTERESTS Gravitational Lensing - Merging Galaxy Clusters - Diffuse	Dark Matter – Large-scale Structure Radio Emission – Telescope Instrume	entation
EDUCATION Yonsei University, Seoul, South Korea Ph.D. Astronomy and Astrophysics Thesis: Understanding the Growth of Galaxy	Clusters: Weak-lensing Mass	2018 - 2021
Distributions of Radio Relic Merging (Advisor: Professor M. James Jee)	g Galaxy Clusters	
M.Sc. Astronomy and Astrophysics Thesis: A Weak-lensing Analysis of the Doub PLCKG287.0+32.9 (Advisor: Professor M. James Jee)	le Radio Relic Galaxy Cluster:	2016 – 2018
University of Victoria, Victoria, Canada B.Sc. with honours Dual Major in Physics and A Thesis: Star Formation Rate Enhancements f Galaxies in Mergers (Advisor: Professor Sara Ellison)	Astronomy for Primary and Secondary	2011 – 2015
B.A. Economics and Greek & Roman Studies		2001 - 2007
EMPLOYMENT California Institute of Technology / IPAC, Pasad Assistant Research Scientist Roman Space Telescope development / Microlens	dena, California, USA ing Pipeline	2023 – Present
<b>California Institute of Technology / IPAC</b> , Pasad Postdoctoral Scholar (Advisor: Ranga Chary) Weak lensing analysis of CANDELS fields / IR sy	dena, California, USA estematics for Euclid/Roman	2021 - 2023
Harvard – Smithsonian Center for Astrophysic Visiting Scholar (Advisor: Scott Randall) Weak lensing analysis of dissociative merging gala	<b>s</b> , Cambridge, Massachusetts, USA axy cluster	2021
<b>Yonsei University</b> , Seoul, South Korea Research Assistant (Advisor: Aeree Chung) Tully-fisher relation measurements for galaxies su	rrounding the Virgo cluster	2015 - 2016

AWARDS AND HONOURS	
BK21 Prize for Outstanding Research Paper (Yonsei University)	2020
Outstanding International Scholar Award (Yonsei University)	2016 - 2020

BK21 Prize for Master's Thesis (Yonsei University) HonoursFest Top Presenter – Physics and Astronomy (University of Victoria) Co-op Thesis First Place (University of Victoria) Don Ingham Memorial Scholarship (University of Victoria)	2017 2015 2013 2012
SCIENCE COLLABORATION MEMBERSHIPS / MISSIONS Euclid Consortium Member CASTOR Science Team Roman Space Telescope Development	2021 – Present 2022 – Present 2023 – Present
OBSERVING PROPOSALS -	
As Principal Investigator:	
<ul> <li>Palomar (0.5 nights, PHARO AO imaging)</li> <li>JWST Cycle 2 (5 hours NIRCam imaging)</li> <li>Chandra Cycle 24 (223 ks)</li> <li>Gemini South GMOS (1 hour, long-slit spectroscopy)</li> <li>Subaru (2 hours, HSC imaging)</li> <li>MMT (2 nights, MMT/Hectospec)</li> </ul>	2024B 2023 2022 2021FT 2020B 2019A/B
As Co-Investigator	
Chandra Cycle 25 (210 ks. PI: Julie Hlavacek-Larrondo)	2023
VLA (4 hours, PI: Julie Hlavacek-Larrondo)	2023
Subaru (5 hours, HSC imaging, PI: Hyejeon Cho)	2022B
HST Cycle 30 (8 orbits, ACS imaging, PI: David Wittman)	2022
XMM-Newton AO21 (135 ks, PI: Christine Jones)	2021
JVLA AO21 (20 hours, PI: Christine Jones)	2021
XMM-Newton AO21 (70 ks, PI: Hyeonghan Kim)	2021
Subaru (4 hours, HSC imaging)	2019B
GMRT Cycle 37 (8 nours, band 3)	2019
TEACHING EXPERIENCE AND STUDENT SUPERVISION -	
California Institute of Technology	
Sangjun Cha (visiting graduate student, Yonsei University)	Fall 2024
Sage Santomenna (Summer Undergraduate Research Fellow, Pomona College)	Summer 2024
Rodrigo Stancioli (visiting graduate student, UC Davis)	Fall 2023
Hyeongnan Kim (visiting graduate student, Yonsei University)	Summer 2022
Yonsei University (Graduate Level)	
Guest Lecturer, Observational Astronomy Techniques	Fall 2019
Guest Lecturer, Advance Astronomical and Computational Statistics	Spring 2019
Guest Lecturer, Advance Astronomical and Computational Statistics	Spring 2018
SERVICE -	
Referee – Astronomy and Astrophysics (A&A)	2024 – Present
Time Allocation Committee – Giant Metrewave Radio Telescope (GMRT)	2024 – Present
Organizer, IPAC Communication and Community Seminar Series	2024 – Present
Committee, IPAC Distinguished Visitors Program	2024 – Present
Curator, Palomar Observatory call for proposals website	2023 – Present
AAS INFOLING SESSION CHAIR. GAIAXY CHUSTERS II A A S Chambliss Student Award Judge	Winter 2023 Summer 2022 Winter 2022
Participant in Caltech Astronomy Outreach	2022 – Present

## -- REFERENCES --

Professor Myungkook James Jee Yonsei University Seoul, South Korea mkjee@yonsei.ac.kr

Dr. Ranga Ram Chary Executive Director UCLA Space Institute Los Angeles, California, USA rchary@caltech.edu

Professor David Wittman University of California, Davis Davis, California, USA dwittman@physics.ucdavis.edu