Carlos Agustin Giai

Institute for As University of H		Personal: +1 (808) 232-4828 E-mail: cgiai@hawaii.edu
Academic Training	University of Hawai'i at Manoa, Honolulu, HI B.S. in Physics (Candidate), 2024 B.S. in Astrophysics (Candidate), 2024	, United States
Research	• Applications of Deep Learning and CNNs in Astrophysical Analysis	
INTERESTS	• Non-thermal Stellar energization processes.	
	• Kinetic theory and simulations of space and astr	ophysical plasmas
	• Magnetic reconnection in collisionless plasma tur	- • -
Professional Experience	Computational Plasma Researcher <i>Advisor</i> : Dr. Colby Haggerty University of Hawai'i – Institute for Astronomy - Studying collisionless plasma phenomena - Shocks Magnetic Reconnection	Jul. 2022–Present
	Learning Assistant2022University of Hawai'i at Manoa – Department of Physics and Astronomy- With Prof. Michael Nassir- Teaching Introductory physics courses	
	English tutor OkPanda (Online English Learning Platform from	- /
	- Teaching English to Japanese students - Prepared students for TOEFL and IELTS	
	Japanese Tutor Personal Office in Argentina - Prepared Students for JLPT exams $N5 \sim N1$	2018–2020
Honors and Awards	UROP, Funding Recepient Funding to do research on Magnetic Reconnection	2023
	REU, Institute for Astronomy Research Experience where I got paid to work on a conference and observatories to give a talk. Poster	- 0
	ISS Spring Forward Scholarship Scholarship from International Student Services	2022
	ISS Internship Scholarship Scholarship (paid) from International Student Serv	2021 vices for Summer Internship
	Marie and Victor Cole Scholarship for Astro Scholarship	pphysics Majors 2020
	International Merit Award Scholarship	2020
	Opportunities Scholarship by EducationUSA, Fulbright	2019

Activities for the	Member of the Undergraduate Committee of Astrophysics Students (2023–Present).	
Scientific Community	Vicepresident of the Society of Physics UH Manoa Chapter (2023–Present).	
	Volunteer for Institute for Astronomy's Outreach Event, IfA Open House	
	Volunteer for Institute for Astronomy's Outreach Event, Bishop Museum Show Presenter	
	Volunteer for Institute for Astronomy's Outreach Event, Makahiki Astronomy Games	
Conference Proceedings	1. CA Giai ; Haggerty C.C.; P. Cassak; Shay M. Guide Field Magnetic Reconnection in High Beta Plasmas,	
WHITE PAPERS	(a) Giai C.A. et. al., "The reduction of the outflow speed in High Beta Guide Field Magnetic Reconnection"	
Presentations	(a) "Guide-Field Magnetic Reconnection Outflow Speed in High Beta Plas- mas", Giai, C.A.; Haggerty, C.C.; Paul. A. Cassak; Shay, M. A.; Fall AGU Conference, Chicago, IL, Dec. 2022. Talkhere	
Computational Skills	 Python (Astropy, TensorFlow, Astroqueries, numpy, scipy, pandas, matplotlib) Matlab (Low level) Java HTML Unix (Bash) 	
Professional Memberships	• Member of the American Geophysical Union, 2022 - present	
References	 (a) Colby Haggerty Assistant Professor Institute for Astronomy University of Hawai'i at Manoa colbyh@hawaii.edu (b) Michael Shay Professor Department of Physics and Astronomy University of Delaware shay@udel.edu (302) 831-2677 (c) Paul Cassak Professor Department of Physics and Astronomy West Virginia University pacassak@mix.wvu.edu 	