

Asian Americans & Pacific Islanders in Geosciences (AAPIIG)



*A community to support, empower, and
embrace AAPIs within the geosciences.*

www.aapigeosci.org
@aapigeosci

Increasing Diversity in the US Ocean Studies Community: Meeting 3

29 October 2024

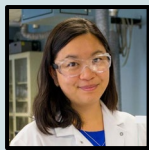
Jeemin Rhim, Dan Ibarra, and Kim Lau

Our Goals & Missions

We are a grassroots, member-driven organization committed to building a community that supports AAPIs within geosciences.



Dan Ibarra



Kim Lau



Christine
Y. Chen



AGU 2020
Soft Launch
(>150 showed interest)



Our goals are to:

- **foster a sense of community** among AAPi geoscientists
- **empower AAPi geoscientists in their career goals** within industry, academia, policy, non-profits, etc.
- embrace the **diversity of both historical and contemporary experiences** encompassed by communities grouped together by the AAPi categorization
- **advocate** for justice, equity, diversity, and inclusion issues **in solidarity with other marginalized groups**, both within our disciplines and the world at large

What's been successful: AAPIIG's Main Programming

- AANHPI Heritage Month events (annual; open to public)
- AAPIIG virtual & in-person mixers
- Mentoring Pods Program
- Collaborations with other (affinity) groups

2024 AANHPI Heritage Month - "Our Place in the World"



Celebrating AANHPI Heritage Month with
Asian Americans and Pacific Islanders in
Geosciences (AAPiIG)

<https://tinyurl.com/aapiig-hazards>




Virtual Panel Event:
**Natural Disasters: Mitigation, Response,
Recovery and the AANHPI Community**
Thursday, May 9, 2024, at 3:30-5:00 pm Eastern
(9:30-11:00 am Hawai'i / 12:30-2:00 pm Pacific)
Open to the public
Live captioning available via the National Captioning Institute



**Dr. Robby
Goldman**
GSA-USGS / AAAS
Congressional
Science Fellow



Dr. Sabine Loos
Assistant Professor of
Civil & Environmental
Engineering, University
of Michigan



Dr. Yolanda C. Lin
Assistant Professor of
Geography and
Environmental Studies,
University of New
Mexico

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82 registered; ~50 attended



Celebrating AANHPI Heritage Month with
Asian Americans and Pacific Islanders in
Geosciences (AAPiIG)

<https://tinyurl.com/aapiig-interests>



Panel and Workshop Event:
**Our Place In The World - Exploring
Personal Heritage in Academic and
Professional Paths**
Tuesday, May 28, 2024, at 2:00-3:30 pm Eastern
(8:00-9:30 am Hawai'i / 11:00-12:30 pm Pacific)
Open to the public
Live captioning available via the National Captioning Institute



**Dr. Steven
Mana'oakamai Johnson**
Assistant Professor of Natural
Resources and the
Environment, Cornell
University



Amira Noeuv
Ph.D. Candidate in
Ethnic Studies, UC
San Diego



Caroline Juang
Ph.D. Candidate in Earth
and Environmental
Studies, Columbia
University

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57 registered; 32 attended

2024 Virtual & In-person Mixers

2024 Heritage Month
virtual mixer



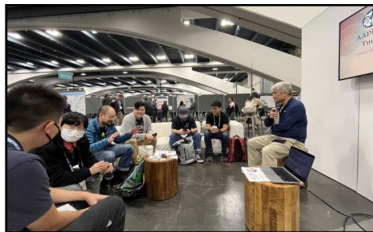
Ocean Sciences Meeting
(New Orleans, LA)



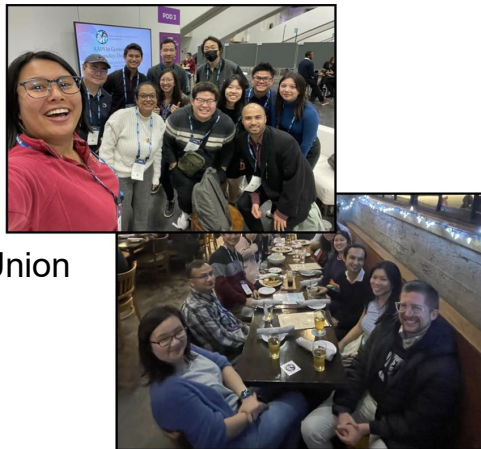
Lunar Planetary Sciences
Conference (Woodlands, TX)



Goldschmidt Conference
(Chicago, IL)



American Geophysical Union
2023 Fall Meeting

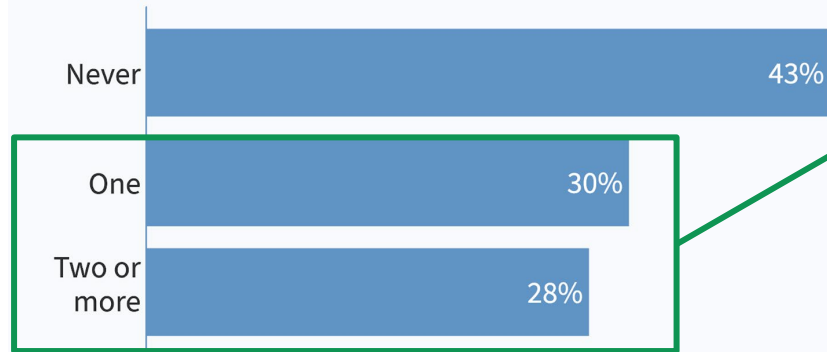


Geological Society of America Connects 2024 (Anaheim, CA)

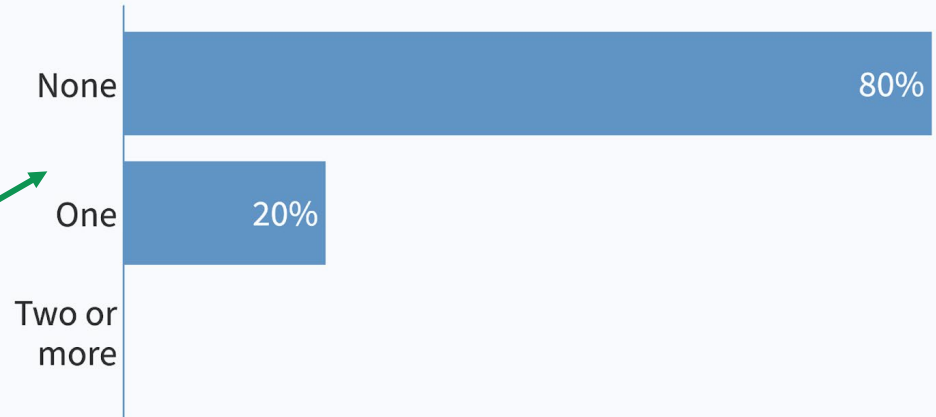


Mentoring Pods Program

How many mentoring programs have you participated as a **MENTEE** before?



How many **AAPI MENTORS** have you met through those program(s)?

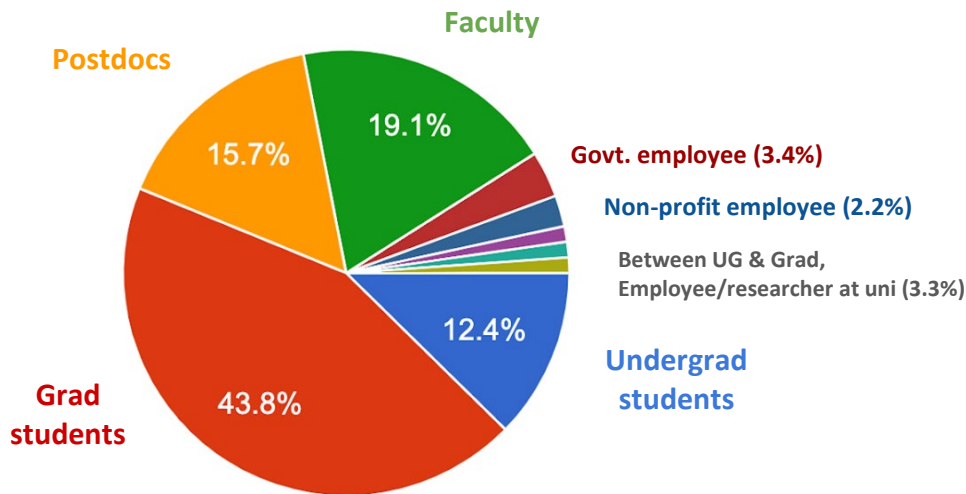


Goal: to provide individualized & structured mentorship among AAPI geoscientists

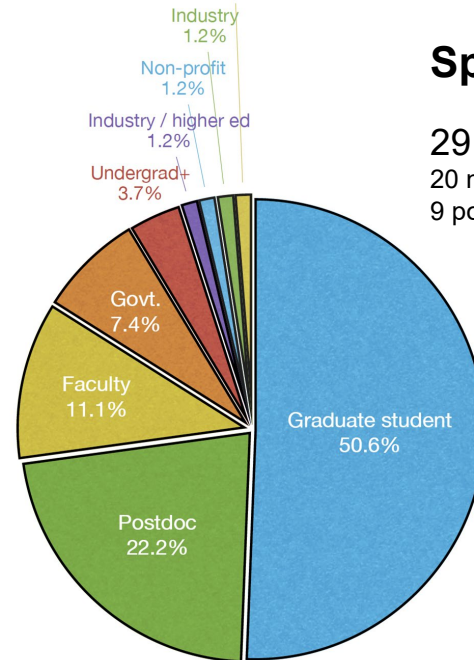
- All geoscientists who self-identify as AA and/or PI, as well as individuals of Asian- and/or PI-descent working in U.S.-based institutions can participate
- Mentoring “pods” = a group of 1 mentor + up to 4 mentees (~half in 1:1’s, ~half in 1:2 or 1:3 pods)

Mentoring Pods Program

Spring 2022 (n=89)



Spring 2023 (n=81)



29 pods total!

20 new pods

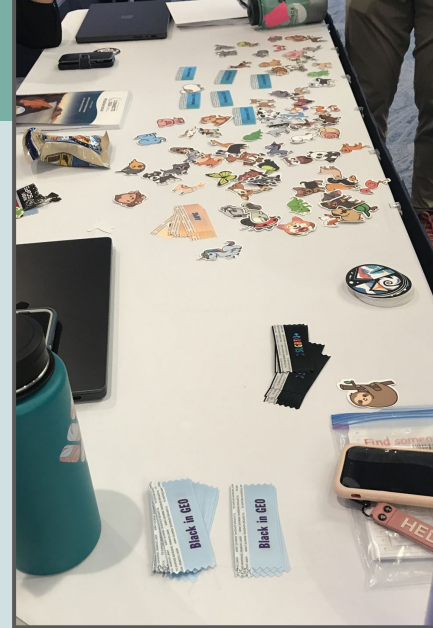
9 pods continuing from Cycle 1

- Success: high participation (and return) rate & stable/sustainable pods
- Challenge: limited capacity of volunteer organizers → **collab with AGU Mentoring365**

Ongoing collaborations & future plans

Collaborations with other organizations

- Connecting with other affinity groups at conferences
- Co-convened a conference session
(e.g., “Intention Is Not Enough: Real-life Power Imbalances in the History of Geosciences and Possible Futurities” - GSA 2024)
- Co-organized a BIPOC-only discussion about racial disparities in science funding with other affinity group leaders
(co-led by leaders/members of Nat’l Association of Black Geoscientists & GeoASCEND)



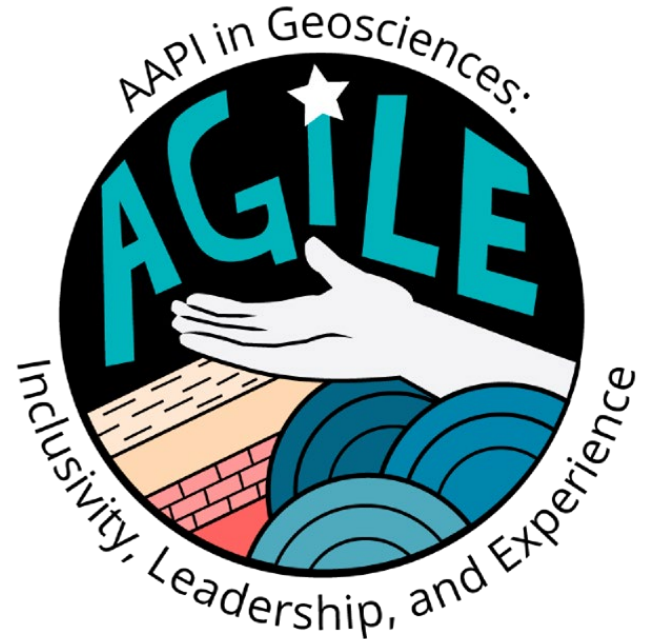
Incorporation as a nonprofit (soon!)

If you have any questions and/or ideas for collaborations, please reach out to aapigeosci.adm@gmail.com or jrhim@ucsb.edu. Thank you!

Enhancing AAPI Participation and Belonging in the Geosciences

Goal 1: Develop educational and research opportunities for AAPI undergraduates, with a focus on MSIs, to pursue geoscience professions.

→ Create a ***pilot research internship program*** for undergrads to carry out research projects with AAPI geoscience faculty at research universities.



Who participated as an AGILE intern?

- 9 women, 5 men, 1 nonbinary
- 2 from AA and/or PI-serving undergraduate institutions
- 3 students presented at GSA, 7 presented at AGU, 1 student at Ocean Sciences, plus 2 at smaller conferences



Final AGILE internship meeting, summer 2023



Amber Nguyen, UT Austin

Expected graduation: 2024

Major: Geosystems Engineering and Hydrogeology

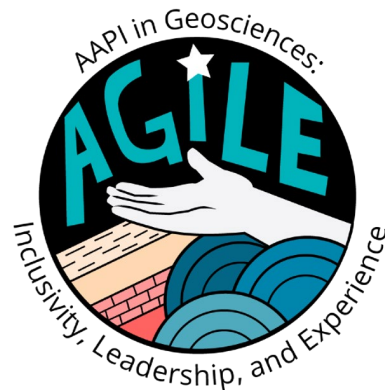
Title: Submarine groundwater discharge in the Coral Triangle

Institution: UT Austin














Mentor: Dr. Bayani Cardenas

"I wanted to have the opportunity to meet fellow AAPIs in the geosciences!"

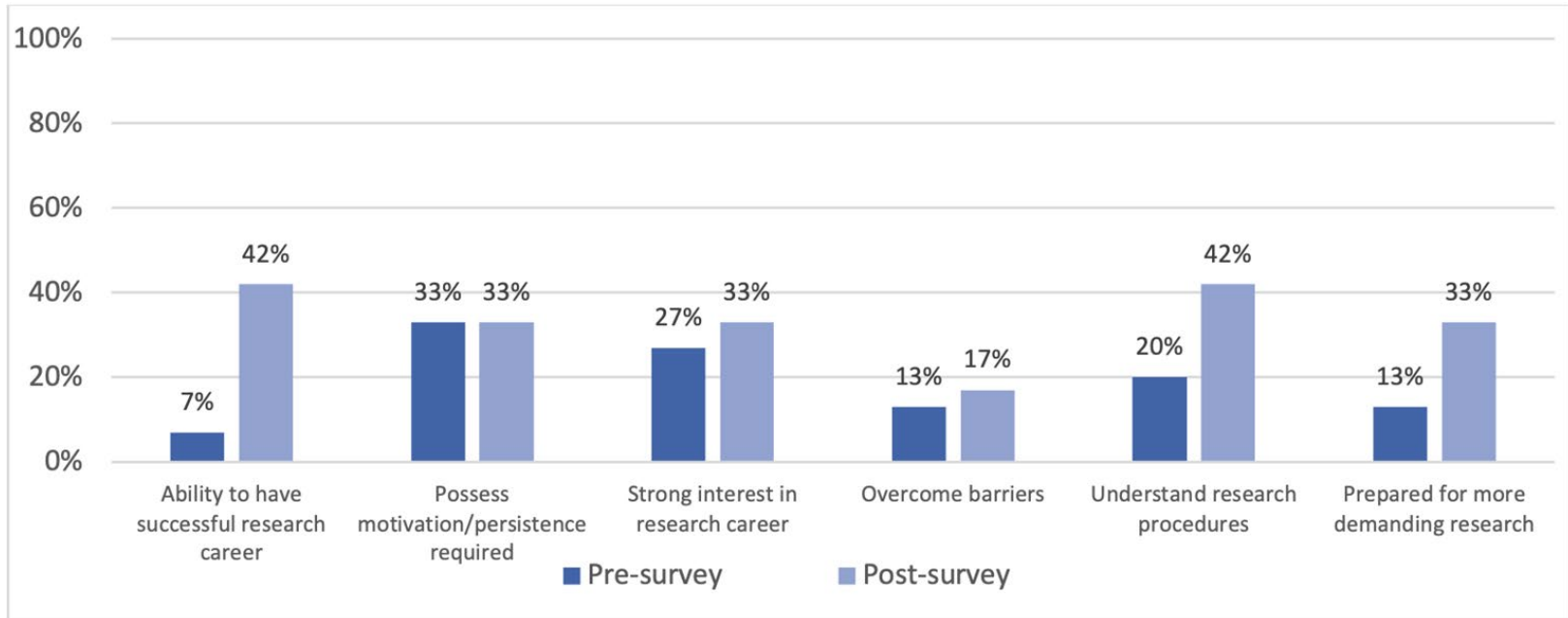
Now - PhD at UT Austin



AGILE internship program successes – research skills and culture

 +32% Overall research process	 +57% Professional aspects of research	 +37% Ethical aspects of research	 +47% Literature and basic concepts	 +37% Quantitative data gathering methods
 +52% Quantitative data analysis	 +50% Qualitative data gathering methods	 +58% Qualitative data analysis	 +43% Statistical software packages	 +35% Bibliographic software packages
	 +38% Research report preparation	 +37% Research report presentation	 +60% Communicating research	

AGILE internship program successes – confidence as a scholar and researcher



Enhancing AAPI Participation and Belonging in the Geosciences

Goal 2: Identify and overcome the unique recruiting challenges and barriers for AAPI undergraduates to participate in geoscience programs

→ Established research visit program to geoscience-adjacent STEM departments at MSIs



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MĀNOA



UNIVERSITY OF CALIFORNIA
MERCED

To enhance BAJEDI for AANHPI in STEM, we need:

- Data disaggregation for AANHPI in NSF reporting
- Continued collaboration with AAPliG on programs similar to AGILE (helped fund AAPliG Heritage Month Events)
- Efforts to highlight AANHPI geoscientists
- Financial/logistical support for inter-affinity group collaborations

Thank you!

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