

韩一晶 **DR. RAE JING HAN** (they/them/tā)  
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## EDUCATION

- June 2022     **Ph.D., Learning Sciences and Human Development**  
University of Washington, College of Education (Seattle, WA)  
*Dissertation:* Designing Justice-Centered and Intersectional Environmental and Climate Learning Across a Professional Network  
*Dissertation advisor:* Dr. Philip Bell
- June 2020     **M.Ed., Teaching, Learning, and Curriculum (Culturally Sustaining Education)**  
University of Washington, College of Education (Seattle, WA)  
*Culminating project:* Responding to Cultural and Linguistic Heterogeneity: Norwegian Early Childhood Educators' and Teacher Educators' Discourses and Practices  
*Program advisor:* Dr. Django Paris
- June 2020     **Certificate in Education, Equity, and Society**  
University of Washington, College of Education (Seattle, WA)  
*Program advisor:* Dr. Jondou Chen
- May 2017     **B.S., Psychology, with distinction**  
Yale University (New Haven, CT)  
Cumulative GPA: 3.94, magna cum laude     Major GPA: 4.0  
*Thesis:* Children's Reasoning About Functional Diversity and Complexity in the Biological Domain  
*Thesis advisor:* Dr. Frank Keil

## RESEARCH AND TEACHING INTERESTS

- Equity, diversity, and inclusion in STEM education and professions
- Systemic change-making and institutional transformation
- Justice-centered environmental and climate learning
- Intersectional environmentalism and global majority cultural-ecological relationships
- Environmental and climate emotionality and storytelling
- Socio-ecological caring and ethical decision-making
- Youth leadership and advocacy, multigenerational learning and solidarity
- Arts-based, culturally sustaining, relational, and community-centered pedagogies
- Asian Critical Race Theory, racial identity development, and cross-racial solidarities
- Universal Design for Learning and inclusive design of learning spaces
- Anti-racist, anti-colonial, anti-imperial, and abolitionist practice

## RESEARCH EXPERIENCE

Sep 2023 – **Research Scientist**  
present *Center for Evaluation & Research for STEM Equity (University of Washington)*

Sep 2019 – **Graduate Research Assistant**  
Jun 2021 *Institute for Science and Math Education (University of Washington)*

Sep 2018 – **Graduate Intern**  
Sep 2019 *Outdoor Preschool Pilot (WA State Department of Children, Youth, & Families)*

Sep 2018 – **Graduate Intern**  
Sep 2019 *Playscapes for Learning, Health, & Relationships in Early Childhood Development and Education (University of Washington & Queen Maud College)*

Sep 2017 – **Graduate Research Assistant**  
Sep 2018 *Cultivate Learning (University of Washington)*

## TEACHING EXPERIENCE

### Undergraduate Course Development and Facilitation

*University of Washington College of Education, March 2019 - June 2021*

- Asian Critical Race Theory: Locating Asian Experiences in the US (~5-10 students)
- Community Engagement (~20-50 students)
- Adult Learning and Development (46 students)
- Introduction to Early Childhood and Family Studies (90 students)
- Nature-Centered Play and Learning in Early Childhood Education (24 students)

### Undergraduate Teaching Support

*University of Washington College of Education, September 2018 - December 2019*

- Seeking Educational Equity and Diversity
- Teaching from the Inside Out: Being a Resilient Educator

### Graduate and Faculty Course Development and Facilitation

*University of Washington College of Education, March - June 2020*

- Education, Equity, and Society Colloquium (~30 participants)

### Youth Learning and Engagement

- Camp Educator; Common Ground Urban Farm & Environmental Education Center (summer 2015, 2017)
- Camp Educator; New Haven Department of Parks, Recreation, and Trees (summer 2016)
- Teacher and Assistant Program Director; MIT Educational Studies Program - Junction (summer 2014)
- Teacher, Program Director, and Co-President; Splash at Yale (2013-2017)

## OTHER PROFESSIONAL EXPERIENCE

Dec 2020 – **Education Specialist**

Aug 2023 *EarthGen*

- Co-designed curriculum and facilitated educator professional learning to strengthen culturally sustaining and liberatory K-12 environmental and climate justice education across Washington State.

Apr 2015 – **Curriculum Designer**

Jul 2017 *Yale Center for Emotional Intelligence*

- Co-developed curriculum lessons and family engagement activities to support K-12 learners' social and emotional well-being.

## SELECTED PUBLICATIONS

### Peer Reviewed Publications

Güler, S., **Han, R. J.**, Litzler, E., Andrijcic, E., & Mohan, S. (2024). How communities of transformation support change agency. *Proceedings of the American Society for Engineering Education*.

Andrijcic, E., Mohan, S., Litzler, E., **Han, R. J.**, and Güler, S. (2024). Obstacles in context: A multi-perspective examination of obstacles of revolutionizing engineering education in the NSF RED Program. *Proceedings of the American Society for Engineering Education*.

Velasco, K., **Han, R. J.**, Kha, D., Lee, T., Noel, S., Ungco, C., & Mendoza Chui, K. (2023). The AsianCrit Collective: Creating, sustaining, and moving toward liberatory futures. *Professing Education*, 21(2), 23-34.

Mendoza Chui, K., Ungco, C., Kha, D., Velasco, K., **Han, R. J.**, Lee, T., & Noel, S. (2023). Asian Critical Race Theory and Culturally Sustaining Pedagogies: Frameworks for implementing Asian ethnic studies in PK-12 education. *Asian American Policy Review*, 33.

Upadhyay, P., & **Han, R. J.** (2021). Facilitating emancipatory and justice-centered environmental and climate learning. *Connected Science Learning*, 3(5).

### Non-Peer-Reviewed Publications (\* = authors listed in alphabetical order)

Guevara, C., & **Han, R. J.** (2024, June 20). Navigating eco-grief with ancestral grieving practices. *Edge Effects*.

**Han, R. J.**, Litzler, E., Carll, E., Knaphus-Soran, E., & Mackin Freeman, D. (2024, February 9). Working with students at a university-based evaluation and research center. *AEA* 365.

\* Braaten, M., Foster, D., Foster, J., **Han, R. J.**, Scipio, D., & Suárez, E. (2022). *How do race and racism connect with science learning in early childhood and elementary classrooms?*

STEM Teaching Tools Initiative, Institute for Science + Math Education. Seattle, WA: University of Washington.

\* Braaten, M., Foster, D., Foster, J., **Han, R. J.**, Scipio, D., & Suárez, E. (2021). *How can we confront and dismantle systemic racism through science learning?* STEM Teaching Tools Initiative, Institute for Science + Math Education. Seattle, WA: University of Washington.

\* Brown, L., Guevara, C., **Han, R. J.**, Rhinehart, A., & Scipio, D. (2021). *How can environmental educators practice intersectional environmentalism?* STEM Teaching Tools Initiative, Institute for Science + Math Education. Seattle, WA: University of Washington.

**Han, R. J.**, & Bell, P. (2019). *Using science investigations to develop caring practices for social-ecological systems.* STEM Teaching Tools Initiative, Institute for Science + Math Education. Seattle, WA: University of Washington.

**Han, R. J.**, Biddle, S., Wilson, L., & Skolrud, C. (2018). *Nurturing early learning: The latest science on young children's learning and the outdoors (Institute proceedings report).* Seattle, WA: Cultivate Learning.

**Han, R. J.**, & Berglund, S. (2018). *Nurturing early learning: Resources to support young children's learning in the outdoors.* Seattle, WA: Cultivate Learning.

## SELECTED PRESENTATIONS

### Conference Presentations

Han, R. J., & Upadhyay, P. (2023, March 22-25). *Facilitating emancipatory and justice-centered environmental and climate learning with elementary students.* National Science Teaching Association National Conference on Science Education, Atlanta, GA.

Han, R. J., Coker, A., Lonsdale, M., Meyer, S., Upadhyay, P., Virga Carpenter, A., & Wilson, A. (2023, March 22-25). *A climate justice toolkit for K-12 educators: Building community and justice connections in the science classroom.* National Science Teaching Association National Conference on Science Education, Atlanta, GA.

Han, R. J., Hadnot, S., & Hoshiko, D. (2022, October 7). *Environmental and sustainability education as a tool for liberation.* Progressive Education Network National Conference (Transformative Education: Disruption, Innovation, and Regeneration in Our Learning Communities), Seattle, WA.

Han, R. J., Kha, D., Lee, T., Mendoza Chui, K., Ungco, C., & Velasco, K. (2022, October 6). *The AsianCrit Collective: Creating, sustaining, and moving towards liberatory futures.* 12th International Conference on Education and Justice, virtual event.

- Han, R. J., Althausen, L., & Hadnot, S. (2021, November 11). *E3 Washington's Community of Practice: Learning equitable design together*. E3 Washington Conference (Wisdom from the Field, Stories from the Heart: Equitably Supporting Communities with Environmental and Sustainability Education), virtual event.
- Han, R. J., Germinaro, K., Kha, D., Lee, T., & Mendoza Chui, K. (2021, November 3). *Decolonizing learning through self-reflexivity and aligning justice*. Decolonizing Education Conference, virtual event.
- Han, R. J., & Upadhyay, P. (2021, October 28-30). *Facilitating emancipatory and justice-centered environmental and climate learning with elementary students*. National Science Teaching Association Area Conference on Science Education, Portland, OR.
- Han, R. J., Brown, L., Guevara, C., & Scipio, D. (2021, April 23). *Practicing intersectional environmentalism*. Teton Science Schools Place-Based Symposium, virtual event.
- Han, R. J. [chair] (2021, April 9). *Designing learning for just and resilient climate action*. NARST 94th Annual International Conference (Science Education, a Public Good for the Good of the Public), virtual event.
- Han, R. J., Upadhyay, P., Meyer, S., & Morrison, D. (2021, April 9). *Justice-centered climate learning within a networked community of practice*. NARST 94th Annual International Conference (Science Education, a Public Good for the Good of the Public), virtual event.
- Han, R. J., & Guevara, C. (2020, November 12). *Science learning to support caring ecological relationships and practices*. E3 Washington Conference (Resiliency in Challenging Times: Equitably Supporting Our Communities with Environmental and Sustainability Education), virtual event.
- Han, R. J., Guevara, C., & Rhinehart, A. (2020, October 13-16). *Communicating climate science: Tools to bridge research and practice*. North American Association for Environmental Education 49th Annual Conference, virtual event.
- Han, R. J., Guevara, C., & Bell, P. (2020, October 9-10). *Teaching science to support caring ecological relationships and practices*. Washington Science Teachers Association Conference, virtual event.
- Han, R. J., Guevara, C., Bell, P., Morrison, D., & Rhinehart, A. (2020, October 9-10). *Engaging in climate science education through connections to everyday life, equity, and justice*. Washington Science Teachers Association Conference, virtual event.
- Han, R. J., & Morrison, D. (2020, October 9-10). *Designing climate science education in elementary learning communities*. Washington Science Teachers Association Conference, virtual event.

Han, R. J., & Bell, P. (2020, April 19). *Designing for the development of multispecies relationships in science learning contexts*. American Educational Research Association Annual Meeting, San Francisco, CA. (conference canceled)

Han, R. J. (2019, October 5). *Building culturally sustaining pedagogies in environmental education for equity and justice*. E3 Washington Conference (Integrating Environment, Equity, and Economy in Education), Ellensburg, WA.

### **Invited Presentations & Workshops**

Han, R. J., & Guevara, C. (2023, April 26). *Supporting youth learning and wellbeing with collective, socio-ecological grieving practices*. IslandWood Graduate Program in Education for Environment and Community, Bainbridge Island, WA.

Han, R. J., Mendoza Chui, K., & Ungco, C. (2022, November 21). *The AsianCrit Community Project: Cultivating culturally sustaining spaces*. Community Based Practice and Research (Community Organizing Models: Art and Activism Along Solidarities), Seattle, WA.

Han, R. J., Mendoza Chui, K., & Noel, S. (2022, November 18). *Asian Critical Race Theory and young children*. Hilltop Children's Center: Educator Discussion Series, virtual event.

Han, R. J., Chase Chen, J., Mendoza Chui, K., Noel, S., & Velasco, K. (2021, November 19). *Oriental ivory: Asian Critical Theory in higher education*. University of Washington College of Education, virtual event.

Han, R. J., & Upadhyay, P. (2021, November 18). *Facilitating emancipatory and justice-centered environmental and climate learning with elementary students*. ClimeTime Design Institute, virtual event.

Han, R. J., Lee, T., & Mendoza Chui, K. (2021, November 1). *Using an asset-based lens and moving beyond savior mentality*. Community Engagement and Leadership Education Center, virtual event.

Han, R. J., Lee, T., & Mendoza Chui, K. (2021, April 30). *Responding to anti-Asian violence and supporting Asian students and colleagues in the COE community*. University of Washington Learning Sciences and Human Development, virtual event.

Han, R. J., & Mendoza Chui, K. (2021, March 23 and April 6). *Anti-Asian violence in a time of COVID: Conversations about community grief and accountability*. TRIO Upward Bound, virtual event.

Han, R. J. (2021, March 2). *Anti-bias, equity, and justice in outdoor preschool teaching and learning*. Greater Gig Harbor Foundation Curious by Nature School, virtual event.

Han, R. J., & Germinaro, K. (2020, February 19). *Justice-centered environmental education*. Jumpstart, University of Washington, Seattle, WA.

## PROFESSIONAL SERVICE

### Professional

May 2021 – May 2023	Board Member <i>E3 Washington Board of Directors</i>
Oct 2019 – May 2023	Equity Committee Member <i>E3 Washington Board of Directors</i>
Jun 2016 – Dec 2021	Secretary (2019-2020); Board Member <i>Splash at Yale Nonprofit Board</i>
2020	Elementary Curricula Review Panelist <i>Climate Literacy and Energy Awareness Network</i>
2019, 2020	Peer Reviewer <i>North American Association for Environmental Education Conference</i>
2018	Peer Reviewer <i>National Research Conference on Early Childhood</i>

### University

Sep 2017 – Jun 2021	Diversity Chair (Jan 2019 - June 2021); Student Representative <i>Associated Students of the College of Education, University of Washington</i>
2020	Graduate Teaching Workgroup Member <i>University of Washington College of Education</i>
2020	Graduation Student Speaker Selection Committee Member <i>University of Washington College of Education</i>
2019	Senior Presentations Panelist for Early Childhood and Family Studies <i>University of Washington College of Education</i>
Sep 2017– Jun 2019	Diversity Ambassador <i>Office of Student Diversity and Inclusion, University of Washington College of Education</i>
Dec 2017 – May 2018	Student EduTalks Co-Coordinator <i>University of Washington College of Education</i>

## **AWARDS AND HONORS**

2016                      President's Public Service Fellowship (Yale University)  
2015                      Courture Fellowship (Yale University)

## **PROFESSIONAL AFFILIATIONS**

AsianCrit Collective  
American Society for Engineering Education  
American Evaluation Association  
Psi Chi Honor Society