

Education

Doctor of Philosophy <i>Tropical Forest Ecology, Plant Genomics</i>	Yale University and New York Botanical Garden 2024 – 2029 (expected)
Bachelor of Science (First Class Honours) <i>Environmental Studies and Life Sciences</i>	National University of Singapore 2020 – 2024

Professional Experiences

Yale School of the Environment <i>Research Computing and Data Office Assistant</i>	May 2025 - Present USA
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- Develop and maintain Office's GitHub Page as a hub of resources for computational research needs, serving graduate students and staff at the Yale School of the Environment.
- Run workshops and working sessions for students and scholars to introduce their research findings or new software/programming tools to the research community.

Yale Center for Environmental Law and Policy <i>Research Assistant</i>	August 2024 – May 2025 USA
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- Designed quantitative indicators to assess global diversity loss arising from land use change for the Global Commons Stewardship Index Project, including phylogenetic diversity, species richness and abundance.
- Sourced for open data and developed data analysis pipeline to integrate data spanning various taxonomic levels and land use change categories, using Partitioning Around Medoids clustering technique.

United Nations Climate Change Secretariat <i>Adaptation Division Policy Researcher</i>	May 2024 – September 2024 Singapore
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- Led research on thematic interlinkages between food security and other environmental challenges, including freshwater security, biodiversity conservation, and sustainable finance; covering 10 themes to provide insights on how adaptation policies can build inter-thematic synergies for greater efficacy.
- Spearheaded focused review of over 40 countries' adaptation policies in agriculture and forestry sectors using national policy documents to present recommendations to policymakers and UNFCCC.
- Work directly with high-level government officials from developing countries to identify potential policy synergies for enhancing food resilience in tandem with water, energy, biodiversity conservation.

Eco-Business <i>ESG Intelligence and Partnerships Executive</i>	January 2024 – May 2024 Singapore
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- Conducted sectoral analysis and prepare curriculum materials to deliver insights on industry trends in sustainable finance, carbon markets, and sustainability reporting for Eco-Business clients and internal teams, including C-Suite executives, civil servants of Government of Singapore, and industry leaders.
- Established Eco-Business presence and programmes across the Asia Pacific region by organising flagship events such as The Liveability Challenge, and sustainability or carbon finance training workshops.

Awards, Grants and Honours

- Senior Fellow Ambassador (Southeast Asia), Quad Fellowship (Appointment from 2025-2026)
- Yale-NUS Club, Hub Ambassador for New Haven (Appointment from 2025-2027)
- Council of Southeast Asian Studies Grant (Yale University, 2025)
- MacMillan Center Pre-Dissertation Research Grant (Yale University, 2025)
- Quad Fellowship (Institute of International Education, 2024)
- Lewis B Cullman Fellowship (New York Botanical Gardens, 2024)
- Cornell Denison Fellowship (Declined nomination, Cornell University, 2024)
- Cornell Fellowship (Declined award, Cornell University, 2024)
- Wu Hsioh Kwang Family Study Academic Scholarship (National University of Singapore, 2020-2024)