

Activity	My Role	Description
RiceCycle – A student-led project under the Faculty of Engineering (2019-2021)	Design team member, and later – Operations team lead.	A student-led project, that had been working with rural farmers in countries like Uganda and Myanmar to help utilize farming wastes for energy production. The team is working on building portable biomass devices that can produce energy from wastes such as rice husks and corn husks. I was invited by one of my tutors to join the design team. Went on to become Operations team lead in 2020-2021.
UNSW Engineering Society (2020-2021)	Programs Subcommittee Member	The programs team ran 3 major programs for the faculty of engineering. I was involved in running 2 of them: <ul style="list-style-type: none"> Peer mentoring program - was run for 300 participants (240 mentees, 60 senior mentors). Organized weekly events including social, educational, professional, as well as sporting events. Applied Consulting for Engineers (ACE) program - was run for about 40 students each trimester. Organized fortnightly educational workshops with other organizations, industry sponsors, as well as university departments
Tutoring for school of Computer Science – UNSW (2020 – 2022)	Tutor (Official title is 'Casual Academic')	In this role, I teach weekly tutorials, mark students weekly lab work, as well as mark assignments and exams. I have tutored over 300 students in 8 trimesters (currently tutoring for my 8 th and final trimester before I graduate). While I aspire to be an engineer, I've certainly enjoyed teaching as a staff member as UNSW.
Engineers Without Borders (EWB) UNSW (2020-2022)	School Outreach Volunteer	EWB is an organization that aims to make humanitarian impact through empowering young engineers. One of their initiatives is going to primary and secondary schools and letting university students talk about how they can use their science and engineering degrees in making a positive impact. I've presented at 6 high school, to classes of year 10 students across Sydney – about the issue of poor housing in southeast Asian countries like Cambodia, and how we as engineers need to take into consideration their countries climate and landscape, as well as the people's culture and values when designing houses for them. [This is one of their set presentation modules]. The presentation includes an activity that we run with the help of their teachers, where students use a limited number of materials we provide them to build a floating object of their choice, such that it maximizes the weight it can carry when placed in water (imitating the floating houses that have been built in Cambodia that move up and down with the tide in different seasons of the year).
Enactus UNSW (2021-2022)	Partnerships Director – help build external relationships with industry/companies/sponsors etc. Also became Speaker for Nationals competition representing UNSW	Enactus is a global organization, with branches in many universities (~22 Australian universities have an Enactus branch). They allow students to build social impact projects to target certain UN Sustainable development goals. UNSW branch has 6 projects at present. Project details available at: https://www.enactusunsw.com/projects Raised \$5000 AUD for ASEI project to buy equipment for STEM classes in Uganda through crowdfunding. Brought in more Engineering/Science related industry sponsors – since more projects are becoming science focused these days. Currently running a mentoring program for Enactus as well to get more younger students involved from an earlier stage. Achievement as Nationals Speaker: Came 2nd out of 22 participating Australian Universities.

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Student Ambassador (2021 October - 2022)	UNSW Student Ambassador Program	As a student ambassador, I represent UNSW at events where young high school students ask questions to current uni students about their experiences. I have represented the uni at career fairs, high school events, and sat as a panelist in close to a dozen panel events where students can direct their questions to specific ambassadors whose experiences they're interested in.
NextGEN Energy Storage – Research Project under faculty of engineering (2022)	Student member	Doing research on energy storage (battery) technologies for large scale storage – especially from renewable sources that are very inconsistent (e.g. solar, which is only sourced during the day when the sun is out). Our research is on the VRFB (vanadium redox flow battery) – which is a really good solution for large scale energy storage but is still expensive to implement. The team I'm in is working to re-create some components of that battery (electrodes) using recycled materials (e.g. plastic from used shampoo bottles, and carbon from food waste to make conducting plastic electrodes).
Various Case Competitions	Participant	Universities host many case competitions with different companies to help students connect with industries and find internships/jobs through networking opportunities. Participated in 12 case competitions, placing in top 3 in 6 of them. Notable ones: <ul style="list-style-type: none"> • E3 Advisory Case Competition – 1st Place – Got an internship with them through this. • Arup Case Competition 2021 (Engineering) – 1st Place – Cash prize and mentoring sessions with senior engineers Placed 2 nd and 3 rd in others – but got to meet people and build professional networks with a number of them – which is probably one of the most valuable things I've gained from my time here.
Internships	Environmental Consulting Intern at MRA Consulting	Industry placement at an environmental consulting firm, interning with the strategy team.
	Undergraduate Consultant at E3 Advisory	Currently interning at an infrastructure advisory firm, focusing on project management of large infrastructure projects in Australia and New Zealand.