

PROFILES OF SINGAPORE SUSTAINABILITY SCHOLARSHIP RECIPIENTS

NATIONAL ENVIRONMENT AGENCY			
S/N	Name and Age	Course and University	Profile
1	Valentina Tan Teng Xuan 	Environmental Studies National University of Singapore	Valentina's interest in environmental issues can be traced back to her weekly cycling trips along Singapore's Park Connector Networks and Pulau Ubin. Her participation in programmes such as the National Youth Environment Conference and Moot Parliament Programme further deepened her understanding of how policy drives environmental outcomes, which inspired her interest in a career at the intersection of environmental protection and public policy.
2	Ong Zi Gek Candice 	Chemical Engineering National University of Singapore	Growing up in Yishun, one of the first trial sites for Project Wolbachia, Candice witnessed how science and engineering can improve citizens' lives. This sparked her passion to drive meaningful change, and inspired her participation in community initiatives and programmes like the Youth Leaders Collective. Initially uncertain about pursuing Chemical Engineering due to its traditional association with the oil and gas sector, Candice's exposure to innovations like chemical recycling, waste-to-energy systems, and low-carbon technologies has motivated her to pursue Chemical Engineering to advance sustainability. She looks forward to building expertise in sustainable technology and using it to develop solutions that support both environmental and community needs.

PUB, SINGAPORE'S NATIONAL WATER AGENCY

S/N	Name and Age	Course and University	Profile
3	Cheryl Koh 	Civil Engineering National University of Singapore	Cheryl's interest in Singapore's water story and urban environment led her to pursue a Diploma in Environmental and Water Technology at Ngee Ann Polytechnic. She developed an interest in civil engineering and aspires to contribute to Singapore's urban infrastructure and coastal protection efforts. Beyond her studies, Cheryl's involvement in community service has strengthened her appreciation of social issues that affect everyday lives, reinforcing her desire to contribute meaningfully through solutioning.
4	Chloe Lee 	Mechanical Engineering National University of Singapore	Driven by a passion for applying engineering solutions to real-world systems, Chloe pursued a Diploma in Mechanical Engineering at Singapore Polytechnic. Her internship at PUB's Choa Chu Kang Waterworks allowed her to gain deeper appreciation into the role engineering plays in our everyday lives, and strengthened her conviction to work on systems and processes that make a tangible difference to our community.
5	Ayla Lo 	Environmental & Sustainability Engineering National University of Singapore	Sponsored by PUB for her Diploma in Environmental and Water Technology at Ngee Ann Polytechnic, Ayla put her learning to the test during her internship with PUB's Water Quality Department. Her work included conducting baseline testing on raw sewage and developing lab SOPs, which strengthened her confidence in technical and analytical skills. Outside the lab, Ayla is a member of Raffles Singers, one of Singapore's premier independent choirs. In September 2025, she represented the group at the 43rd International Choir Competition in Bulgaria where they clinched two prizes.

6	Lincoln Heng 	Environmental & Sustainability Engineering National University of Singapore	Driven by a desire to contribute meaningfully to Singapore's built environment, Lincoln is particularly interested in the intersection of engineering with sustainability and environmental stewardship — an area he believes is more relevant than ever in the face of growing climate challenges. Lincoln is looking forward to contributing to Singapore's Water Story through the development and management of water supply and network infrastructure.
7	Khaja Kamaludeen Maryam Saliha 	Environmental and Sustainability Engineering National University of Singapore	Growing up in India, where water scarcity is a lived reality for many communities, Maryam developed an early appreciation for the importance of sustainable water management. During her internship with PUB, she worked on analysing microplastics in water samples and optimising sample pre-treatment processes, gaining first-hand insight into how scientific research underpins the protection of Singapore's water resources. Maryam would like to build technical expertise in environmental monitoring and water quality analysis, with a long-term goal of contributing to the development of improved monitoring methods and policies that strengthen Singapore's water security for current and future generations.

8	Darren Lee 	Mechanical Engineering and Business Administration (Double Degree) National University of Singapore	With a diploma in Facilities Management, Darren developed an interest in the design and operation of critical water and waste infrastructure systems. During his internship at Guoco Tower, he gained hands-on experience at its Air-conditioning and Mechanical Ventilation (ACMV) chiller plant, which deepened his understanding of thermodynamics and fluid heat transfer. This convinced him that truly efficient infrastructure must be engineered well from the design phase. Darren aspires to specialise in fluid mechanics and heat transfer, with a near-term focus on integrated megaprojects such as Tuas Nexus, where water reclamation and Waste-to-Energy systems intersect.
9	Victoria Chua 	Environmental and Sustainability Engineering National University of Singapore	Victoria credits her father, who studied Civil Engineering, for instilling in her a deep appreciation for water sustainability and environmental stewardship. Victoria hopes to contribute to Singapore's water security and coastal protection efforts, including evaluating solutions to address the challenges of sea level rise and engaging stakeholders to develop the most effective approaches for Singapore's long-term resilience. A graduate of Singapore Sports School, Victoria served as Captain of the Track and Field Academy from the age of 14, leading her team at multiple local and international championships. The discipline and resilience she developed as a student-athlete have shaped her approach towards both her studies and future career in environmental engineering.
10	Lin Xin Rui 	Environmental Engineering University of Illinois Urbana-Champaign	Xin Rui's interest in sustainability grew through her Geography studies in junior college, where she explored how urban infrastructure shapes noise pollution in residential areas. This convinced her that nature needs to be more thoughtfully woven into Singapore's urban fabric. She is particularly interested in the engineering and science behind landmark projects like Long Island.

			Beyond her studies, Xin Rui represents Singapore in competitive contract bridge at the international level. The game has sharpened her ability to process complex information, navigate uncertainty, and think strategically under pressure — skills she hopes to apply to addressing real-world environmental challenges.
11	Fei Yaowei 	H100 Engineering University of Cambridge	Yaowei's fascination with engineering began with flight simulation, where he witnessed first-hand how a team of engineers could transform complex technical knowledge into a tangible, accessible product. This experience convinced him that scientific expertise is most valuable when it creates real change for others. He went on to compete in the national physics Olympiads, including the Singapore Young Physicist Tournament. It was through this experience that Yaowei came to appreciate the inherently interdisciplinary nature of engineering. Yaowei is particularly excited by PUB's efforts to harness intelligent sensors, Internet of Things and artificial intelligence to enhance the efficiency and resilience of Singapore's water systems.
12	Tan Yu Jia 	Civil Engineering (Master's Degree) Commencing studies in 2027	Yu Jia's appreciation for Singapore's natural environment grew through his involvement in outdoor activities. As Vice-President of his university's Outdoor Club, he regularly traverses the island's natural spaces. Over time, his interest evolved into a desire to contribute to the engineering systems that help protect and sustain the environments he cherishes. Now in his third year of Environmental Engineering at the National University of Singapore, this appreciation has grown into a conviction to make a tangible impact on the world around him. Yu Jia's involvement in coastal sampling projects with the Coastal Protection and Flood Resilience Institute Singapore introduced him to nature-based solutions and strengthened his interest in coastal resilience, particularly the role of mangroves in protecting Singapore's shores.

SINGAPORE FOOD AGENCY

S/N	Name and Age	Course and University	Profile
13	Joel Kwok 	Food Science and Technology National University of Singapore	Joel's fascination with food science grew during his internship as a fermentation assistant at Biocreations Asia, where he witnessed first-hand how microbiological technologies could unlock entirely new sources of food. This experience deepened his interest in food microbiology in two ways: food safety, where he hopes to help develop new testing techniques and protocols to detect and prevent foodborne pathogens; and product innovation, where he aims to progress fermentation and other microbiological techniques to create novel food solutions. Joel will be pursuing Food Science and Technology at the National University of Singapore, where he aspires to develop the expertise to contribute meaningfully to ensuring Singaporeans have steady access to food that is both trustworthy and resilient.
14	Yeo Li Xiang 	Chemistry and Biological Chemistry with a Second Major in Future Foods Nanyang Technological University	Li Xiang's love for Chemistry was inspired by her first Chemistry teacher, who made lessons fun and engaging. Li Xiang sought every opportunity she could to deepen her understanding of the subject, from research projects and Olympiads to taking Chemistry as an H3 subject. Through these experiences, she came to appreciate the breadth and richness of the discipline, and how it is involved in food manufacturing and safety, biomedical and pharmaceuticals, and petrochemicals. Li Xiang will be pursuing Chemistry and Biological Chemistry with a Second Major in Future Foods at Nanyang Technological University, where she hopes to apply her technical knowledge meaningfully in real-world contexts.
15	Sharmaine Chew Zi Hui	Food Science and Technology	Sharmaine's passion for food science was kindled through laboratory experiences at school. She recognised that analysis of data and rigorous testing of hypotheses could have direct, meaningful consequences for public health. She went on to develop a keen interest in food safety and risk assessment, and its importance in protecting public health.

		National University of Singapore	Sharmaine will be pursuing Food Science and Technology at the National University of Singapore, where she hopes to contribute to Singapore's food security through the adoption of innovative technologies stronger public awareness of food safety.
16	Tyan Jade Ong 	Biochemistry King's College London	Tyan Jade's interest in food security was shaped by global events, such as the Russia-Ukraine war, that highlighted the vulnerability of food supply chains. She came to see Biochemistry as the foundation upon which resilient food systems are built, from improving crop yields and resilience to creating new alternative protein sources. Tyan Jade will be pursuing Biochemistry at King's College London, where she hopes to deepen her understanding of the biological processes that underpin the food systems the world depends on.

