

Anya Ramanan

<https://anyaramanan.com>

Summary

Independent and motivated Life Sciences major who aspires to work in the field of healthcare and scientific research. Eager to learn, looks forward to all feedback and loves meeting and collaborating with new people. Adaptable, reliable, hardworker and a good communicator.

Skills

- Laboratory techniques
- Experimental Design
- Programming
- Critical Thinking
- Teamwork
- BCLS + AED Certified

Research Interests

- Precision Health
- Neurodegenerative Disorders
- Ageing and Age-related Diseases
- Artificial Intelligence in Healthcare
- Epigenetics and Gene Expression

Experience

Student Fellow

Yale Network for Global Non-Communicable Diseases in contract with World Health Organization

10/2023 – 01/2024

- Employed the research methodology developed by Yale Network for Global Non-Communicable Diseases assess and selectively document data from multiple national medicine regulatory agency websites regarding the cold chain requirements of medicines on the Essential Medicines List.
- Review the research methodology document to be submitted to WHO.

Summer Researcher

Dr. Nicholas Tolwinski's Lab

05/2023 – 08/2023

- Performed bacterial transformation & DNA cloning.
- Performed mounting & live-sheet imaging of drosophila embryos.
- Researched the efficacy of pharmacological treatment of intracellular Amyloid Beta plaques; an intervention for Alzheimer's.

Locum Research Assistant

NUS Sleep and Cognition Lab

08/2021 – 08/2023

- Applied polysomnography electrodes.
- Monitored polysomnographs.
- Facilitated GUSTO field experiments.

Research Assistant

Dr. Jan Gruber's Lab

11/2021 – 03/2022

- Carried out cell culture assays.
- Learnt how to maintain *C. elegans* in a laboratory.
- Learnt about proper lab safety and hygiene protocols.
- Researched about and advised on protocols for carrying out research about the effects of Omeprazole on the physiological ageing of *C. elegans*.

Co-founder & Co-president

Yale-NUS Food for Thought Society

11/2022 – 08/2023

- Co-founded a society for facilitating activities and discussions about food history, culture, and sustainability.
- Organised events and field trips involving intercultural engagement.
- Did administrative work for budget approvals and logistical clearance for events.

Beekeeper

BeeAmazed Garden

10/2020 – 01/2022

- Inspected beehives to ensure that the bees are safe.
- Created sugar solutions to feed the bees during rainy days.
- Cleaned beehives to maintain hygiene.

Web Developer

Sheetal Chhaya

06/2020 – 08/2022

- Developed website for animal non-profit organisation that is easy-to-use.
- Integrated SEO.
- Embedded different types of payment options to collect donations.

Peer Coach

Tanglin Trust School

01/2020 - 01/2021

- Helped a student deal with bullying and other social issues.
- Taught the student strategies for coping with stress and social anxiety.
- Encouraged the student when going through difficult times, helping her persevere and be prepared for future educational and personal challenges.

Teacher

EDIS Cares

01/2020 - 07/2020

- Taught a 7-year-old child with attention and learning differences English and Mathematics.
- Implemented different learning techniques to keep the child's attention.
- Carried out different lesson plans for the child's advancement.

Education

Yale NUS College

B.Sc. (Life Sciences) – 2025

Yale University

Semester Abroad (08/2023 – 12/2023)

University of Edinburgh

Semester Abroad (01/2024 – 05/2024)

Tanglin Trust School

International Baccalaureate – 2021