

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

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 - Present

- *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 - Present

- *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 - Present

- *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's Aide

Genesis School for Special Education

09/2019 - 12/2020

- Managed the needs of the children.
- Educated the children on Science, Mathematics and Computers.
- Supervised children consistently to maintain behaviour standards and group security.
- Developed a positive relationship with each child through patience and communication.

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.

Front-of-House Volunteer

Pangdemonium

08/2020 - 10/2020

- Assisted in the set-up of the Front-of-House tables.
- Secured donations from patrons.

- *Collected data integral to the fulfilment of the theatre's NAC Major Grant obligations.*

Volunteer

Happy Feet Home

09/2018 - 11/2018

- *Organised activities for children with terminal illnesses.*
- *Communicated with children and strived to understand their worries.*
- *Learnt more about palliative care for children.*

Education

Yale NUS College

B.Sc. (Life Sciences) – 2025

Yale University

Semester Abroad (08/2023 – 12/2023)

Tanglin Trust School

International Baccalaureate – 2021