

ROGER YANG

PENULTIMATE CIVIL & ENVIRONMENTAL ENGINEERING STUDENT AT THE UNIVERSITY OF AUCKLAND

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EXPERIENCE

Internship: Civil Engineering Technician

November 2023 – Present

- Worked at Road Science Headquarter at Downer in Tauranga for the summer duration.
- Laboratory material testing across four departments: bitumen, asphalt production, asphalt performance, and aggregate.
- Onsite NDM, Scala testing for the Bayfair to Bay Park Project and SH1/SH29 Intersection Project.
- Currently working part-time at Road Science, Downer in Penrose, Auckland

Teaching Assistant for ENGGEN 121 and CIVIL 202

February 2024 – June 2024

- Teaching Assistant for ENGGEN 121, a first-year engineering mechanics, and CIVIL 202 Fluid Mechanics.
- Co-lead tutorial sessions facilitating a class size of 30+.
- Conducting tutorial demonstrations and laboratory experiments.
- Guiding students through problem-solving exercises on the board.

Part 1 and Part II Assistance Centre Mentor

February 2023 – June 2024

- Offer comprehensive academic support at the University of Auckland.
- Tutor weekly sessions that assist students in clarifying questions that may be unclear
- Communicate and support students to understand challenging theoretical concepts

Maths and Physics Tutor

August 2022 – Present

- Self-employed academic tutor with 200+ hours of tuition experience currently.
- Subjects taught include year 10, 11 and Cambridge AS & A Level Mathematics and Physics.
- Regularly communicated with parents providing updates on student progress and addressing any concerns.

Checkout Operator at Countdown

November 2022 – October 2023

Kitchen Staff and Delivery Driver at Hell's Pizza

February 2022 – September 2022

EDUCATION

• University of Auckland -- Bachelor of Engineering (Hons)

2022 - Expected 2025

Engineering GPA: 8.79/9 || Cumulative GPA: 8.48/9

Case Competition Participation:

Beca Civil Engineering Case Competition || First Place

Bayleys Property Case Competition 2023 || Finalist

Deloitte Economics Case Competition 2023 || Finalist

Kearney Business Case Competition 2024 || Finalist

BRANZ Design Competition 2024 || Top 10 Participant

• Macleans College

2017 - 2021

Cambridge A Level : A* A* A* A

NZQA Scholarship Award: Scholarship in Statistics, Physics and Health & Physical Education

Clubs and Societies:

Concert band, Academic Captain, Premier Chess Team, Senior A Tennis Team Captain ,

Hospitality and Service Club, Advanced Open Debating, New Zealand Young Physicists

Tournament, Adventure Racing, Leader of Run Club

HONOURS & AWARDS

UNIVERSITY OF AUCKLAND KICKSTART MERIT AWARD	Awarded to eight recipients each year The basis of selection includes academic merit and extra-curricular involvement in school.
DEAN'S HONOUR LIST 2022,2023	Awarded to students who demonstrated excellence in academic performance by being in the top 5% of their Engineering study or achieving a minimum GPA of 8.25
NZQA SCHOLARSHIP AWARD	Worth \$2,000 each year for up to three years for as long as the recipient maintains at least a 'B' grade average each year of their tertiary study.
PRENTICE ALL ROUNDER CUP FOR BOYS	Awarded to one male student during the senior prize giving ceremony in the final year of high school for displaying excellence in a wide range of academic, cultural and sporting values and displaying the school's values.

VOLUNTEERING EXPERIENCE

Lead Volunteer → Training Manager at Robogals

In 2023: Led dedicated teams of 6-8 volunteers to deliver free engineering and technology workshops to local communities.
In 2024: Created various workshop content and trained Robogals volunteers

Logistics Officer → Business Team Lead at NZPMC

Main organiser for the North Island Finals in 2023 which hosted 150+ high school students. Main Tasks include handling logistics, scheduling itinerary, guiding event helpers, organising workshops and being a MC host for the event.

UniGuide → UniGuide Leader at UniGuide Programme

In 2023: Helped new students to transition to uni life. Guided several sizes with 30+ students during Orientation Week
In 2024: Tasked with creating resources and training a team of 130+ UniGuides to ensure a successful orientation.

REFERENCES AVAILABLE UPON REQUEST