

# ROGER YANG

PENULTIMATE CIVIL & ENVIRONMENTAL ENGINEERING STUDENT AT THE UNIVERSITY OF AUCKLAND

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## EXPERIENCE

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### 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

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### • University of Auckland -- Bachelor of Engineering (Hons) 2022 - Expected 2025

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

#### Case Competition Participation:

Bayleys Property Case Competition 2023 || Finalist

Deloitte Economics Case Competition 2023 || Finalist

Beca Civil Engineering Case Competition 2023 || First Place

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

<b>UNIVERSITY OF AUCKLAND KICKSTART MERIT AWARD</b>	Awarded to eight recipients each year The basis of selection includes academic merit and extra-curricular involvement in school.
<b>DEAN'S HONOUR LIST 2022,2023</b>	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
<b>NZQA SCHOLARSHIP AWARD</b>	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.
<b>PRENTICE ALL ROUNDER CUP FOR BOYS</b>	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