

Robin Teng

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Education

University of California – Santa Barbara

Santa Barbara, CA, USA

Bachelor of Science in Electrical Engineering

Sept 2022 – Present

- Expected Graduation Date: June 2026
- Courses:** Linear Algebra, Discrete Mathematics, Differential equations, C++ Programming, Python Programming, Algorithms, Differential Equations, Manufacturing Methods,

University of Melbourne

Melbourne, Victoria, Australia

Bachelor of Science in Computing and Software Systems

Feb 2022 – Aug 2022

- Courses:** Linear Algebra, Calculus, Data Science, physics experiments

King's College

Auckland, New Zealand

High School

Feb 2017 – Nov 2021

- A level Cambridge curriculum
- Graduated in the top 10% of my year
- Specialised in product design, physics, Maths, Computer Science and History

Personal Experience

UCSB Nanofabrication Facility

Santa Barbara, CA, USA

Nanofabrication etch calibration

Sept 2022 – Jan 2024

- Collaborated with a four-person team to develop a state machine for the VCU in C++.
- All processes is ran on a Teensy 4.1 which controls the motor input output, charging logic, sensor input processing and error interrupts.

UCSB Society of Automotive Engineers(SAE)

Santa Barbara, CA, USA

vehicle control unit designer

Sept 2022 – Jan 2024

- Collaborated with a four-person team to develop a state machine for the VCU in C++.
- All processes is ran on a Teensy 4.1 which controls the motor input output, charging logic, sensor input processing and error interrupts.

Cybercon Inc Internship

Remote

mass stock data analysis

Jun 2020

- Worked with another intern under a mentor remotely on Jupiter notebook to analyse real time market data using algorithms.
- Over the one month period we learned to use python with Numpy, Pandas, Matplotlib and Scikit-learn, along with some other pre-existing index algorithm (e.g: RSI, MACD) to create stock index to predict future trends.

IOT/Electronics Personal Projects

Home, New Zealand

Self-hosted Cloud Server

Aug 2023

- Running a Ubuntu server out of my garage and hosting a cloud server with Apache2 on my domain
- Planning to do host personal website on the server in the future, you can visit it here <https://nextcloud.inecdote.com/>

password Lock box

Sept 2022

- Worked with a group of three to complete a password lock-box using an Arduino
- Worked mostly on hardware and wiring, did a lot of soldering

Portable Bluetooth controlled Outdoor Scoreboard

Jun 2021

- Worked with a group of three to complete a password lock-box using an Arduino
- Worked mostly on hardware and wiring, did a lot of soldering

Junior tutoring

Auckland, New Zealand

King's college high school

Jul 2020 – Nov 2021

- Did volunteer work to tutor year 9-11 math during lunch or after school

Skills

Programming Python (Pandas, NumPy, Scikit-learn, Matplotlib. etc.), PHP, C/C++, HTML/CSS, JavaScript, SQL.

Language Chinese/Mandarin(Native speaker), English(Fluent).

CAD Solidworks, Fusion 360, EAGLE PCB, Tinker CAD, Creality Slicer.

Miscellaneous Linux, Shell (Bash/Zsh), \LaTeX (Overleaf/R Markdown), Git, Soldering, Wood and Metal Machining, Composite Layup, 3D printing.

Interests

Music I love music, usually listen to hip-hop and jazz. I play piano and drum in a band

DIY I do DIY projects in my freetime, mostly wood works or electronics. Some of the things I made are: Bluetooth speaker and stools.

Chess I play a lot of chess, I'm rated around 1700 on chess.com and have got 3rd place twice in Auckland regional competitions.

References available upon request.