

Josh C. Lim

COMPUTER SCIENCE STUDENT AT UNSW

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Education

University of New South Wales (UNSW)

Kensington, NSW

BACHELOR OF ENGINEERING (MECHATRONIC) / COMPUTER SCIENCE

Feb. 2022 - PRESENT

- Maintained a High Distinction WAM (currently 97.059)
- Received The UNSW Engineering Dean's Award for being among the top 100 students across UNSW Engineering in 2022 and 2023
- Received a Scientia Scholarship for outstanding results from the IB Diploma

St Paul's Grammar School Penrith

Cranebrook, NSW

IB DIPLOMA

Jan. 2011 - Nov. 2021

- Received a perfect score of 45/45 in the IB Diploma, equivalent to a 99.95 ATAR
- Dux of school in 2015, 2019, 2020 and 2021
- Served as School Vice-Captain and participated in sporting (ISA Basketball) and musical (school orchestra) co-curricular activities

Experience

University of New South Wales

Kensington, NSW

CASUAL ACADEMIC

Feb 2023 - PRESENT

- Tutor and lab assistant for COMP2521 (Data Structures and Algorithms), and lab demonstrator for ELEC2141 (Digital Circuit Design)
- Taught concepts such as recursion and data structures to university classes of up to 24 students
- Prepared lessons and designed resources such as slides, notes and practice questions to enhance students' learning
- Answered students' questions and debugged assignment code in weekly open help-sessions
- Assisted students with Verilog lab tasks and basic FPGA programming in electrical labs

IBHub

Sydney, NSW

IB TUTOR

Jan 2022 - Dec 2023

- Tutored up to 10 senior students weekly in subjects such as mathematics, chemistry, physics and economics
- Prepared notes and lesson content to deliver material clearly and concisely to students within the time constraints of the lesson
- Provided feedback and suggested actionable improvements to students with regards to their coursework and assessment tasks

Extracurricular Activity / Volunteering

UNSW Data Science Society (DataSoc)

Kensington, NSW

IT DIRECTOR

Dec. 2023 - PRESENT

- Migrated the DataSoc website to use Next.js, Tailwind CSS, tRPC, DrizzleORM and PostgreSQL
- Designed several web pages and created an authentication system for the new website
- Implemented and deployed an internal mail merge tool for society-wide emails
- Managed, mentored and delegated tasks to a team of four subcommittee members

UNSW Mechatronics Society (MTRNSoc)

Kensington, NSW

WORKSHOPS DIRECTOR

Dec. 2022 - Dec. 2023

- Plan and design various workshops in the area of mechatronic engineering for UNSW students
- Taught skills including Arduino, programming, 3D printing, soldering and motor control
- Undertook organisation and hosting of events including managing room bookings and personnel, runsheets and workshop content
- Led a subcommittee team and delegated organisational tasks in weekly meetings

Multicultural Bible Ministry (MBM Rooty Hill)

Rooty Hill, NSW

CHILDREN'S LEADER

Apr. 2017 - PRESENT

- Volunteering at church within a team, leading a small group of Kindergarten - Year 2 boys
- Prepared content weekly such as games, songs and memorised talks

Skills

Programming C, TypeScript, Java, Node.JS, LaTeX, Python

Web React.js, Next.js, Tailwind CSS, HTML5, CSS3, Express with Node.JS, tRPC, Prisma