

Lachlan Ho

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CAREER PROFILE

- High Distinction WAM Computer Science and Civil Engineering student, proficient in various CAD modelling software.
- Experienced in engineering solutions and project management at Mott MacDonald, utilising AutoCAD and Excel Macros.
- Led cross-functional teams in various coursework projects to deliver milestones within tight deadlines.
- Skilled communicator with experience teaching university classes, coaching sport teams and leading society initiatives.

EDUCATION

University of New South Wales - Bachelor of Computer Science/Civil Engineering (Honours)	2021 - 2025
• WAM: 88 - High Distinction	
• UNSW All-Rounder Scholarship	2021 - 2025
• Dean's Honours List	2021, 2023
• Jacob N Frenkel Prize - 1st in Civil Engineering Cohort	2021
• Top 100 Students in UNSW Engineering - Dean's Award Recipient	2021
University of California, Berkeley - Study Abroad Exchange Student	Fall 2024
Sydney Boys High School - 99.65 ATAR	2015 - 2020
• 3 rd in NSW: Engineering Studies • 6 th in NSW: Extension 1 Mathematics • Top 10 Internal Rank	

WORK EXPERIENCE

Wonder Group - Software Engineering Intern	Mar 2025 - Present
• Developing a full-stack financial advisory platform utilising React and PostgreSQL, currently in pre-deployment phase.	
• Targeting a 40% reduction in in-house processing time by streamlining CRM, finance calculations and broker workflows.	
• Enhanced user experience with self-serviced dynamic dashboards, replacing manual workflows to improve client conversion.	
Mott MacDonald - Rail Engineering Intern	Jun 2023 – Feb 2025
• Engineered Sydney Metro track alignment solutions using AutoCAD, Revit & OpenRail.	
• Reduced project delays, errors and risks by 15% by proactively taking on additional responsibilities from senior engineers.	
• Mentored and trained incoming interns in software and work processes.	
Mott MacDonald - Assistant Design Manager Intern	Nov 2022 - May 2023
• Coordinated 12 discipline teams and client to deliver Sydney Metro West project milestones on time.	
• Triaged and resolved client and inter-department concerns, reducing risk backlog by 30% at each stage.	
• Automated manual processes with Python scripts, optimising completion time by 50% and minimising human error.	
University of New South Wales - University Class Tutor	May 2022 - Present
• Delivered interactive classes 30+ students, achieving 100% positive student feedback for communication and clarity.	
LTS Lockley - Surveying Intern	Feb 2022 - Oct 2022
• Adapted to changing construction site risks through strong communication and awareness to ensure the entire team's safety.	
Sydney Boys High School - Fencing & Water Polo Sports Coach	Mar 2021 - Aug 2022
• Led teams in high pressure competitions, making fast real-time strategic decisions, improving win rate by 20%.	
Private High School Tutor - Mathematics Extension 1 & 2, Physics, Engineering Studies	Dec 2020 - Dec 2024
• Tailored programs to teach exam techniques and revision strategies, achieving a 100% Band 6 rate among students.	
Officeworks - Customer Service Rep/Day Fill	Nov 2020 - May 2021

VOLUNTEER INVOLVEMENT

Civil and Environmental Engineering Society UNSW (CEVSOC)	Mar 2021 - Mar 2024
Vice-President (Community Relations)	Nov 2022 - Oct 2023
• Elected to lead a team of 15 volunteers to organise 10+ events, boosting student attendance by 25%.	
• Designed and launched society's website, featuring a job board and event calendar, increasing student engagement by 15%.	
• Automated recruitment process using Excel macros to reduce manual processing by 50% and reduce timeline by 2 weeks.	
NSW Fencing Association - Fencing Referee	July 2015 - Aug 2022

SKILLS HIGHLIGHT

• Agility • Leadership • Teamwork • Communication • Time Management • Problem Solving • Analytics

TECHNICAL SKILLS

• Java • Python • AutoCAD • Autodesk Revit • VBA for Microsoft Excel