

Liam Chen

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EDUCATION

University of New South Wales

Bachelor of Computer Science

2019 – 2023

Sydney, New South Wales

- **Coursework:** 2019/2020/2021 Dean's List

Professional Experience

Quantium

Nov 2022 –

Software Engineer Intern

Sydney

As a platform engineer, I work within the team to contribute to the team's objectives and moving the team forward along its feature roadmap. My main responsibility is redevelop some of the existing features in the system and provide innovative solutions to achieve goals and objectives in an agile team.

- Enhancing Quantum Active Directory with a focus on UX design, administration of users and groups, and project management.
- Conducting tests on the qap-dev-gm project using Rancher (Enterprise Kubernetes Management) and developing unit and integration tests.
- Collaborating with a team to create a data scraper for on-prem data center Genisys to gather valuable usage data.
- Working with public cloud providers and managing resources in major cloud platforms (AWS, Azure, GCP, Snowflakes). Designing and maintaining data tables on GCP and Big Query for analytics purposes.

Transport for NSW

Oct 2018 – Oct 2022

Technical Officer

Sydney

I monitor and analyze system performance to ensure data integrity, information security and information asset protection comply with established standards within the Transport Maritime Cluster. Additionally, I implement initiatives using advanced analytics and data science to enhance project results.

- Design and development of maritime website content and transport intranet web APIs to access the Transport database using SQL.
- Developing in-house PowerBI reports and conducting data analysis to improve team performance.
- Responding to customer service inquiries related to Salesforce.
- Data entry of new customer information into the GLS-ONE-GOV system.
- Establishing and maintaining internal SharePoint access for group users.
- Providing technical training on the use of the intranet database, Microsoft Office, and intranet applications and coordinating data migration related to administrative and organizational changes as instructed.
- Assisting in the review and testing of system upgrades and developments to ensure successful implementation, including creating and executing test scripts and documenting results.

University Work Experience

Research Assistant

2022 - 2023

School of Information System

UNSW

Course redevelopment for COMM5007, a new milestone course for UNSW Postgraduate degree.

Casual Academic

2022

School of Engineering/School of Information System

UNSW

- INFS2822: Programming for Data Analytics
- INFS1701/3617: Networking and Security
- COMP2511: Object-Oriented Design and Programming
- COMM1822/INFS1603 Introduction to Databases for Business Analytics
- COMP1511: Programming Fundamentals

CSESoc Training Lead: FreeRooms

Training Lead for CSE society student lead project

2022 T1

UNSW

UNSW Taste of Research: Topic "A Strategy-game Approach to Solving Logic Formulas"

2020 Summer

PSPACE Problem: Implementing CNF for SAT solving, modelling of QBF problems

UNSW

Summer Research Project lead by Abdallah Saffidine at UNSW School of Computer Science and Engineering

Project Link <https://github.com/AbdallahS/pspace-encodings>

SKILLS

Tech Stack: Python, Flask and Django, SQL(Oracle SQL Developer and Postgres), Unix Shell, AWS RDS and EC2, GCP and Big Query, HTML/CSS/Javascript, PERN Stack, Java, Salesforce, PowerBI