LEO LAI

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EDUCATION

University of New South Wales – Kensington, NSW Australia
Double Bachelor's in Commerce/Computer Science   *2019 - 2025*
- **Completed:** Triple Major in Accounting & Finance (2019 – 2022), and Computer Science (2022-2025)

TECHNICAL SKILLS

- **Programming Languages**: Java, Python, JavaScript (React, NodeJS), HTML, CSS, SQL, C
- **Frameworks & Tools**: Spring Boot, Maven, React, Materials UI, Microservices, Node.js, Express, Vite, Tailwind CSS
- **Other Infrastructure**: Jenkins, Bitbucket, JIRA, Experian API, Oracle, Informatica, Artifactory
- **Skills and Software**: Data Structures and Algorithms, Full-stack Development, Object-Oriented Programming, DevOps, Data Migration, Microsoft Excel (Advanced), SAP, Oracle, Xero

WORK EXPERIENCE

Westpac – Sydney, NSW Australia   *2025 – Present*
Software Engineering Graduate
- Rated "Exceeds Expectations" in the <u>Data Reporting & Migrations team</u> for delivering a full-stack Customer Account Activity Tracker and a Maven-based Encryption Tool— both applications used as internal tools at scale, including adoption by the Information Security team for PII handling.
- Aided the SRE team to implement and maintain CI/CD pipelines using Jenkins, integrating with Artifactory, Bitbucket, Experian API, and JIRA to streamline deployment and observability.
- Contributed to enterprise-wide data migration projects using Oracle-based ETL tools such as Informatica, ensuring secure and accurate transformation of legacy data systems.

Ernst & Young – Sydney, NSW Australia
Assurance Audit Cadetship   *2019 – 2022*
- Rated "Gold Standard" in the Technology, Media and Telecommunications team, and conducted financial audits for a diverse portfolio of over 20 clients
- Utilised auditing tools (EY Helix) and advanced Microsoft Excel features to streamline data analytics, enhancing efficiency, judgement and audit accuracy
- Led a team of graduate-level auditors as a stand-in senior associate, ensuring high-quality audit outcomes through mentorship and leadership.

PROJECTS (https://github.com/LeoLai0)

Inactive Accounts Watchlisting + Screen Scraping Tool – *Full-Stack Project (Developed at Westpac): SpringBoot, Java, TypeScript + React, Teradata SQL, VBA*
- Solely built an end-to-end full stack application for tracking and watchlisting dynamic production data on inactive customer accounts on mainframe.

Encryption Tool – *Backend Project (Developed at Westpac): Java, Maven, SHA-256*
- Designed to securely encrypt format-preserved PII data. Tool is in use company-wide including by the InfoSec team for compliance and security.

Flowers For June – *Full Stack Project (Personal): Typescript + React, NodeJS, SupaBase*
- Personalised web-based application for end-user, integrating weather updates and real-time messaging features.
- Created an interactive experience which included Facebook Messenger API for automated messaging, and Supabase repository for storing personal milestone data, and enabling in-app messaging.

ESG Financial Modelling Platform – *Full Stack Project (Developed for PHD Researcher): React, Flask, NodeJS, MySQL*
- Collaborated with a client to build a tool for sustainable investing based on ESG ratings.

Portfolio Website *(leolai.dev)* – *Frontend Project (Personal): React, Vite, TypeScript*
- Developed a dynamic, interactive portfolio website using React.

LEADERSHIP & EXTRA-CURRICULAR

UNSW Fashion and Beauty Society – **Society Executive Leader (Treasurer)**
- Optimised budget allocation procedures to increase net profits and memberships by 130% & 70% YoY respectively
- Developed statements of general financial advice on a quarterly basis to raise financial literacy of team members.