# LEONARDO **FAN**

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# Education

## University of New South Wales
Jan 2019 – Dec 2023

**Bachelor of Commerce (Information Systems) & Computer Science**

High Distinction WAM (88) | Co-op Scholarship for Information Systems | 1st in Co-op academic stream | Business School Dean's List | 1st in UNIT Stock Pitch | Top 10 in 7 Commerce/Computer Science courses

## University of Toronto
Sept 2022 – Dec 2022

**Faculty of Arts and Science (Computer Science) | Fall Exchange**

Algorithm Design, Analysis & Complexity | Computer Networking Systems | Operating Systems

# Skills

**Languages:** Java, JavaScript, TypeScript, Python, C#, C, HTML, CSS, SQL, GraphQL

**Technologies:** React, Redux, Express.js, Node.js, .NET, MongoDB, Microsoft Azure, Bash, PowerShell, REST APIs, Git, Docker, Jira, Confluence

# Professional Experience

## Dolby Laboratories
Jan 2023 – Present

**Software Engineering Intern** – *Streaming Team*

- Led an internal project to support streaming, extending the functionality of a global back-office Command Line Interface tool. Gathered requirements and feedback by discussing with users. Coded with Python, pandas and GraphQL.
- Developed authenticated web APIs using TypeScript, C#, and the .NET framework across 3 teams for administrative staff to query internal and cloud databases.

## Bank of Queensland Specialist
Jul 2021 – Dec 2021

**Technical Business Analyst Intern** – *Operational Excellence Team*

- Led a system project, iterating on 20+ requirements with stakeholders, developing backend SQL logic and managing changes with the approval board to meet new regulations for 10+ products.
- Established a new tool covering 70+ workflows to reduce user pain points from obscure messages in the Loan Operations system. This was distributed to and is now being used by the wider team.
- Automated frontend testing, creating 30+ cases by inspecting HTML and using Tricentis Tosca.
- Taught multiple non-technical team members and other new interns about making backend and frontend system changes.

## PwC Australia
Jan 2021 – Jul 2021

**Technology Consultant Intern** – *Microsoft & Customer Experience Team*

- Overhauled a government department's legacy database to Dynamics 365, using SQL and Server Integration Services in a team of 2 to perform a data migration, finishing 2 weeks ahead of schedule.

- Collaborated on a $3.5 million digital transformation project by creating a User Acceptance Testing plan as well as working with technical teams and the client to resolve bugs using Azure DevOps.
- Assisted a $350k analysis project for a government agency by understanding business and technical needs through 16 interviews, 3 ideation/review workshops and requirements design.

### QBE Insurance                                                      Feb 2020 – Jul 2020
**Business Analyst Intern** – *Business Optimisation Team*
- Facilitated a nationally recognised claims digitisation project by building user requirements with the technical team, running weekly workshops, assessing 7 current tools and modelling business processes.
- Managed the gap analysis of 48 data flow diagrams by planning work and onboarding new joiners.
- Evaluated the performance of robotic process automation by creating a dashboard and presenting the bots with the most time savings.

# Projects

### Computer Science and Engineering Society Circles            Feb 2022 – Present
- Managed a team of 10 students to build a new degree planner for UNSW, utilising Git, Jira, Docker, and Confluence to operate using CI/CD in an agile environment. Currently used by many UNSW students with ~8500 total visits per month.
- Employed React and Typescript combined with a variety of libraries like Redux and Ant Design to program the frontend. This was connected to a MongoDB database and Python/FastAPI backend.

### Employee Database Web Application                            Feb 2022 – Present
- Built a full stack web application to simulate an employee database through the 3-tier architecture.
- Used MongoDB to store employee data, React/Bootstrap for the client frontend and Express.js/Node.js to serve client requests to the database.
- Deployed the application online with CI/CD capabilities via Azure App Service.

# Extracurricular

### University Network for Investing and Trading                 Mar 2021 – Nov 2021
**Publications Team**
- Communicated curated and current financial knowledge through weekly market wraps and newsletters to 2k+ students, utilising email campaign (Mailchimp) and design tools (Canva).

### Business Information Technology Students Association         Nov 2019 – Nov 2020
**Careers Director**
- Led a team of 10 members and ran weekly meetings to ideate, plan and execute careers initiatives.
- Orchestrated 9 student and company events in the technology space, enabled by liaising with industry sponsors and guiding team members. Achieved an average attendance of 100 people per event.
- Innovated a new video initiative to engage the student community despite the cancellation of in-person events. This was implemented by coordinating with 2 other teams within the society, amassing 2.8k+ overall views overall.