

# LAUREN WU

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## ABOUT ME

Software engineer looking for opportunities in front-end engineering and cloud.

Passionate in combining creativity and problem solving, with hobbies in piano, photography, and reading.

## SKILLS & CERTIFICATIONS

- Java, Python, C, SQL
- HTML, CSS, JavaScript, React.js
- Data engineering, cloud and deployment technologies
- Implement and design website applications
- AWS Certified Cloud Practitioner

## EDUCATION

### Santa Sabina College

2006 - 2018

- ATAR: 99.10
- Overall Academic Excellence Award - HSC
- NESA HSC Encore nomination Music Performance

### University of New South Wales

2019 - 2023

B. Advanced Mathematics (Major in statistics)  
B. Computer Science (Major in Artificial Intelligence) with Distinction Average

### Concordia University, Montreal QC, Canada

- Exchange Program - Fall Semester 2022
- Courses in Machine Learning, Multivariate Statistics and Psychology
- Distinction Average

## EMPLOYMENT

### Software Engineer - Senior Associate | Macquarie Group

June 2023 - present

- Assigned to the Trade Surveillance team in Enterprise Technology, responsible for building and maintaining data warehouses and pipelines for risk surveillance.
- Implemented and released Data Quality Report application to monitor for manipulation of Nasdaq trades. Configured infrastructure code and AWS Lambda for application deployment.
- Project West: Implemented Java data pipelines and optimised Japan, Singapore, Malaysia, and Hong Kong workflows for equities and warrants data.
- Customized features in Dexter (data platform) including new static data mappings and filtered data logic.
- Automated data pipelines using Airflow and Control-M, enhancing deployment efficiency.

### Data & Analytics Consultant | Ernst & Young Analytics (Asia-Pacific)

Nov 2021 - Feb 2022

- Assigned to CXM (Customer Experience Management) project within the DnA team. Aimed to quantify client analytics and understand customer decisions to enhance the user experience.
- Worked with tech leads to implement sizing requests using predictive algorithms, python and SQL scripting, as well as conversing findings in client-facing meetings.

### Data Engineer Intern | Allianz Australia

Aug 2021 - Nov 2021

- Assigned to IDP (Integration Data Platform) project within the Data Engineering and Business intelligence team.
- Helped maintain data ETL engine with Spark and Hive, and drafting up Product features of Data Ingestion Framework (AIF). Helped implement modelling algorithms within the data science division.

### Software Engineer Co-op Intern | Optus

Aug 2020 - Mar 2021

- Co-developed Alcatel IN replacement with Ribbon EMS in Optus' main network system in Java.
- Implemented website features in in-house deployment application using Javascript, HTML, CSS
- Conducted application testing using SoapUI and WireMock
- Completed OpenShift Cloud Design Infrastructure Documentation for Proof of Concept
- Completed frequent patch installation and maintained CI/CD pipeline for applications hosted on Jenkins
- Built business data modelling dashboards on ServiceNow for external vendors