

Joy Yin

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EDUCATION

University of Queensland

2023-2025

Bachelor of Computer Science

GPA: 6.75 / 7.0

St Aidan's Anglican Girls School – Dux of the School • ATAR 99.90 • UCAT 3290

Scholarships and Awards – Vice-Chancellor's Scholarship • Women in Action (STEM) Scholarship

WORK EXPERIENCE

McGrathNicol

July 2024 – Present

Data Analytics Intern

- Utilised Python (NumPy, SciPy) to build a pipeline from JSON data files to Alteryx and PowerBI, decreasing billable project timelines by 12%.
- Customised client dashboards with Seaborn, Pandas and Matplotlib to create bespoke analytics.

SAP

January 2024 – June 2024

Rotational Intern

- Co-ordinated software implementation sprints for various clients, managing service timelines with a 97% NPS rating for incident case management.
- Developed shell scripts to automate administrative procedures, reducing procedural time by 38%.

Sincidium

July 2023 – December 2023

Software Engineering Intern

- Developed in TypeScript, React, Next.js and Tailwind CSS to convert 31% of UI/UX designs into functional front-end interfaces that link to backend APIs and prompt engineering.
- Pitched in various competitions and showcases, increasing external engagement by 23%.
- Optimised workflows and meeting productivity by 15% through strategically scaling processes.

PROJECTS

Financial Portfolio Analysis

April 2024

- Data modelled the projected performance of various asset classes under different investment scenarios, using machine-learning models for linear regressions.
- Built a web-scraping tool with various APIs to perform lexicon-based sentiment analysis on relevant news articles, using natural language processing to determine geopolitical escalations.

Hackathon Web-App

January 2024

- Designed a Ruby on Rails full-stack webapp that improved data management for tour managers.
- Implemented data analytic interfaces using Chartkick, connecting to a SQLite backend database.

PROGRAMS

Optiver – Women of the Future (Invitational)

April 2024

Amazon – Machine Learning Summer Program

February 2024 – March 2024

LEADERSHIP

UQ Economics Society

May 2023 – Present

Technology Executive Director

- Designed and deployed the society website with an extensive database linked to various UI pages.

UQ Ladies in Technology Society

July 2023 – Present

Corporate Executive

- Increased attendance at flagship events by 33%, crossing into profitable thresholds by 10%.

KEY SKILLS

Languages and Scripts – Java • Python • C • SQL • Linux • HTML • CSS • JavaScript • Ruby

Software and Platforms – RStudio • Salesforce Lightning • Oracle Database • Git & GitHub