

Joy Yin

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EDUCATION

University of Queensland

2023-2025

Bachelor of Computer Science, majoring in Data 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

SAP

January 2024 – Present

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%.

Amazon

February 2024 – March 2024

Machine Learning Summer Program

- Learned about various machine learning models, DNN, RNN, dimensionality reduction, causal inference and probabilistic graphical models from Amazon's Applied Scientists.

Sincidium (Startup)

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.
- Optimised portfolio allocations to yield the most ideal risk to reward ratio using hierarchical risk parity optimisation techniques.

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.

Faculty Research Project

July 2023 – December 2023

- Utilised Python (NumPy, Pandas, SciPy, Seaborn, Matplotlib) to analyse survey responses from more than 150 students, extracting valuable insights into student sentiments for the faculty report.

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

- Organised and planned catering for corporate events with 100+ attendees and 25+ sponsors.

KEY SKILLS

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

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