

JASON TANG

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EXPERIENCE

Software Engineer

Feb 2025 - Present

Commonwealth Bank of Australia

- Designed event driven architecture, using **data lakes** and **AWS Step Functions** for automated data ingestion.
- Developed **ETL** pipelines using **PostgreSQL** to fetch, classify, assess and store data.
- Automated terminal system rollout reports using **Java 8** and **Quartz**, reducing manual effort by 50%.
- Built reusable **Next.js** UI components for performance dashboards, enhancing user experience .
- Deployed **AWS** services with Infrastructure as Code, implementing failover and recovery strategies.

Software Engineering Intern

Jan 2023 - Apr 2023

Infosys Limited

- Contributed to a **full stack** observability dashboard integrating Twitter and ServiceNow APIs.
- Built real-time data pipelines with **MongoDB**, enabling efficient extraction and storage.
- Developed **NLP** microservices for classification and sentiment analysis, achieving 95% user satisfaction.

University Committee member

Nov 2023 - Nov 2024

University of Melbourne Competitive Programming Club

- Organized coding events and workshops, growing active membership by 40%.
- Secured \$4,000+ in sponsorships from major tech firms to fund competitions and resources.

Team supervisor

Jun 2021 - Oct 2022

Max Brenner

- Led a 10+ member team, streamlining operations and receiving over 50 positive reviews.

Academic Tutor

Nov 2020 - Nov 2021

Alchemy Tuition

- Tutored high school students in VCE Mathematics, improving grades and exam readiness.

EDUCATION

University of Melbourne

November 2024

Bachelor of Science in Computing and software systems | First Class Honours

- Minor in Finance
- Relevant Course Work:** Foundations of Computing, Foundations of Algorithms, Database Systems, Object Orientated Software Development, Algorithms and Data Structures, Elements of Data Processing, Artificial Intelligence, Software Modelling and Design, Computer Systems, Models of Computation

SKILLS

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

Frameworks and Libraries: Pytorch, NumPy, Pandas, Scikit-learn, Matplotlib, Hugging Face, Bootstrap, Flask, FastAPI, React, NextJS, JWT

Tools: Linux, Git, Docker, VSCode, Node.js, Makefile, MongoDB, PostgreSQL, CICD

PROJECTS

Personal CRM | MongoDB, ExpressJS, React, Node.js

- Built a full-stack CRM with contact management, user tracking, and activity logging.
- Managed development workflow using Confluence, Git, and Trello.

Infexion A.I Game Playing Agent | Python

- Created a board game AI using Iterative Deepening, A*, and Monte Carlo Tree Search.
- Optimized decision logic, cutting branching factor by 30%.

Mobile Recipe App with Discord Bot Integration | React, Python

- Developed a responsive recipe app with search, favourites, and MealDB API integration.
- Linked a Discord bot for real-time recipe queries and commands

EXTRACURRICULARS

Participant (Winner), GenAI Hackathon

2025

Barista, Chocolate Shop

2021 - 2023

Music Captain, Senior School Orchestra

2018 - 2020

Badminton Captain, APS Sports

2019 - 2020