

Yongli(Matt) Qin

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PERSONAL SUMMARY

Master of IT student with a strong background in computer science and a passion for technology, with skills developed through both academic study and practical experience. Recognized for responsibility, effective problem-solving, and a commitment to excellence. Brings technical skills, enthusiasm, and dedication to contributing positively to team dynamics and project outcomes. Experienced with technologies such as the React framework, including comparative analysis with other frameworks. Continuously learning new technologies to enhance software development capabilities.

SKILLS

Programming Languages: Python, C, HTML, CSS, JavaScript, Java, SQL

DB, Cache, Middleware: Mysql, MongoDB, Redis, Kafka, FireBase

Web Framework: Flask, Django, React, RESTful

DevOps: Git, Docker, Google Cloud Platform, CI/CD, Azure

Project Management: Agile, Scrum, Jira, Confluence, Trello

Keyword: Database System, Algorithm & Data Structure, Full Stack, Concurrency, design pattern

EDUCATION

University of Melbourne

Master of Information Technology

Melbourne, VIC

Mar 2023 - Jul 2024

- Related Courses: Cluster and Cloud Computing, Distributed System, Natural Language Processing, Information Visualisation, Software Processes and Management

University of Melbourne

Bachelor of Computer Science

Melbourne, VIC

March 2019 - Nov 2022

- Related Courses: Software Modelling and Design, Artificial Intelligence, Object Oriented Software Development.

WORKING EXPERIENCE

Agriculture Victoria Research, Victorian Government, Full Stack Developer

Melbourne

Intern and Part-Time

Dec 2023 - Present

- Led end-to-end development of a web application for digital agricultural data using **Python (Django)** and **JavaScript**, cutting down data access and processing time by **50%**.
- Refactored **3,000+** lines of code to enhance clarity and ensure compliance with industry coding standards; this initiative revamped overall code maintainability, resulting in a **25%** reduction in future debugging time.
- Independently designed and enhanced over **20** web pages to meet scientists' specific requirements for displaying critical crop growth information, , boosting user engagement by **40%** in data accessibility and user interaction.

PROJECT

Science Gallery Booking System | React, Django, MongoDB, Vercel

Melbourne

Team Leader

Apr 2024 - July 2024

- Acted as **team leader and product owner**, documenting client requirements using **Confluence** and **Trello**. Directed the development of a **booking management system** with MongoDB and Django, significantly enhancing data handling and operational workflows.
- Developed the frontend using **React.js**, creating an intuitive user interface that reduced manual entry efforts and decreased booking errors by **30%**, significantly enhancing productivity for over **15** team members.
- This system enhanced operational efficiency by enabling the Learning Team staff to swiftly add and update bookings, handle scheduling conflicts, and centralize all tour details, improving overall system usability and reliability.

ExchangeRateTracker | React, Python, Vercel, Kafka, Docker, CronJob

Melbourne

Full Stack Developer

Current - July 2024

- Designed and implemented a real-time currency exchange rate monitoring system that tracks multiple currency pairs using API data, allowing users to set custom rate thresholds for alerts.
- Built an email notification system using **Python** and **SMTP**, automating alert delivery when rates fall below specified values, significantly enhancing user convenience for timely currency exchanges.
- Engineered the back-end with **Flask**, incorporating **RESTful APIs** for seamless integration between the front-end, exchange rate APIs, and email services.