

Franco Ou

Murrumbeena, Victoria, Australia

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Summary

A driven IT graduate student specialising in Computing at the University of Melbourne, I am an efficient problem solver and dedicated software developer with expertise in programming languages such as Java and Python. I excel in full-stack development using React.js and Next.js, armed with a robust understanding of the software development process. I am enthusiastic about learning new tech tools and leveraging my skills and knowledge to fuel innovation and success within dynamic organisations.

Work Experience

Kepple

Collingwood, Victoria

Software Engineering Internship

July 2023 - November 2023

- Developed and rebuilt an internal admin tool using React.js with TypeScript, leveraging MUI (Material-UI) as the UI library.
- Worked with design team and implemented new designs and functionalities for managing documents and content displayed on the company website.
- Collaborated with the development team to ensure seamless integration of the new tool into the existing system.
- Supported daily maintenance and improved the efficiency of current existing websites.
- Gained valuable hands-on experience in both front-end and back-end web development, utilised version control with Git, and practiced Agile development methodologies for efficient project execution.

Monash Univeristy

Clayton, Victoria

Research Assistant

July 2022 - September 2022

- Contributed to the development of an open-source framework for Python static code analysis, focusing on compatibility testing of the framework.
- Collaborated with a team of developers to identify and address issues, and made recommendations for improvements to the framework.
- Demonstrated proficiency in Python and Git, and gained experience in software development methodologies and project management tools.
- <https://github.com/SMAT-Lab/Scalpel>

Projects

Real-Time Chat Application

Next.js, React, Socket.io, Prisma, Tailwind, shadcnUI

December 2023 - January 2024

- Developed a real-time chat application using Next.js framework, leveraging shadcn/ui for UI components.
- Designed and implemented back-end functionalities including real-time messaging, creating and managing chat servers, channels, and members.
- Integrated LiveKit to enable voice and video calls within the application.
- Ensured adherence to responsive design principles for optimal user experience across devices.

FormHouse - A marketplace for sustainable building materials (Undergraduate Industrial Experience Project)

PHP, HTML, CSS, Javascript, Bootstrap, Git

July 2022 - November 2022

- Worked in a diverse team to develop a sustainable building materials marketplace using CakePHP and Bootstrap library, with a focus on implementing Agile methodologies.
- Integrated Stripe payment gateway with the system, demonstrating proficiency in payment gateway integration and web development.
- Collaborated closely with clients to gather requirements and feedback ensuring project deliverables met their needs.

Money Monitor

Swift, iOS Development

March 2022 - May 2022

- Developed a simple iOS app that enables users to record expenses and incomes and visually summarise their financial situation.
- Demonstrated proficiency in iOS app development, and gained experience in software testing and debugging.
- <https://github.com/FrancoOu/MoneyMonitor>

Skills

Technical Skills Python, Java, Linux, Docker, Kubernetes, React.js, Next.js, Node.js

Soft Skills Problem-solving, Time Management, Teamwork, Adaptability to different work environments

Education

University of Melbourne

Parkville, Victoria

Master of Information Technology

March 2023 - Current

- **Courses:** Machine Learning, Natural Language Processing, Declarative Programming, Distributed Systems, Database Management, Cluster and Cloud Computing

Monash University

Clayton, Victoria

Bachelor of Information Technology

March 2020 - November 2022

- Graduated with **Distinction** (75/100%)
- **Courses:** Computer Systems, Network and Security, Operating Systems, Software Architecture and Object Oriented Design and Implementation, Data Structures and Algorithms in Python, Mobile Application Development, IT Project Management