

# Yicong(Frank) Wan

## CONTACT

**Phone:** +61 433-906-276

**Email:** frankwan41@gmail.com

**Location:** Melbourne, VIC

**Linkedin:** [Yicong Wan](#)

## EDUCATION

### University of Melbourne

2022.07 - 2023.11

Master of Information Technology

### University of Melbourne

2018.07 - 2022.07

Bachelor of Computer Science

## SKILLS

### Professional Skills

- Problem-Solving
- Adaptability
- Agile Workflow
- Teamwork
- Fast Learning
- Time Management
- Communication
- Documentation

### Technical Skills

- JavaScript, TypeScript
- Python
- SwiftUI
- Restful API, Node.js
- React, HTML, CSS, Bootstrap
- MongoDB, SQL, MySQL
- DevOps
- AITools(ChatGPT, Copilot)

## PROFILE

As a recent graduate student, I bring a strong foundation in programming languages and design principles through university education and internships; enriched by hands-on experience collaborating with senior software engineers. Comfortable in both collaborative and individual settings, I am known for my strong work ethic, adaptability, and quick learning abilities. Skilled in time management and problem-solving, I am eager to leverage my technical skills in a real-world environment.

## WORK EXPERIENCE

### Software Engineer Trainee

*Queue Solutions - Melbourne, VIC*

08/2023 - Present

- Assisted a senior engineer in refactoring Motivational Modeling from JavaScript to TypeScript.
- Contributed to the transition of MxGraph (JGraph) to maxGraph/core for graphing functions.
- Independently addressed Github issues.
- Proficiently utilized basic Unix commands to establish local development environment.
- Implemented solutions for organizing the maxGraph source code and imported into the codebase.

### Software Engineer Intern

*Queue Solutions - Melbourne, VIC*

03/2023 - 07/2023

- Played a key role in refactoring code, implementing new functionalities including multi-image uploads and handling HEIF image formats.
- Documented APIs and all code modifications, ensuring clear and maintainable documentation.

## AWARDS & CERTIFICATIONS

- AWS Certified Cloud Practitioner

## LANGUAGES

- English
- Mandarin

## ACTIVITIES

### Client of course IT Project

*University of Melbourne - Melbourne, VIC*

08/2023 - 11/2023

Acted as a client representative for a course project, providing guidance and constructive feedback throughout the development process, thereby enhancing the team's understanding of client needs and expectations.

### Volunteer in a Packing Center

*Los Angeles, California, US*

12/2016

Volunteered in packaging and organizing gifts for children in need across various countries. Assisted in the dispatch of donated items, demonstrating a commitment to community service and global outreach.

- Collaborated in deploying the application to a Digital Ocean droplet, including setting up a CI/CD pipeline template.
- Worked closely with a senior engineer, gaining valuable insights and guidance in application development and deployment.
- Actively participated in weekly team meetings, consistently meeting project deadlines and contributing to discussions.

## PROJECTS

### Java - White Board - Full Stack Development

- Developed a collaborative drawing tool enabling multiple users to draw simultaneously, including real-time chat.
- Integrated features allowing users to initiate new pages, save drawings as image, and import them back.
- Addressed concurrency challenges by using multi-threads.

### JavaScript - Quartefacts - Full Stack Development

- Expanding an existing web application that utilizes a combination of React for the frontend and Node.js for the backend, with an emphasis on responsive design.
- The application focuses on storing family artifacts with various types of images, including automatic conversion of HEIC to PNG.

### SwiftUI - What2Eat - Full Stack Development

- An iOS application for sharing food posts with social app features, implemented main page functionalities, allowing users to switch between list view and map view for location tracking.
- Integrated a shake feature utilizing device movement and gyroscope for random post selection.
- Designed and implemented a chat functionality enabling users to communicate and share pictures seamlessly.

### TypeScript - Motivational Modelling - Backend Development

- Refactored the graphing function of mxGraph (JGraph) to TypeScript, ensuring a more maintainable codebase.
- Conducted manual testing to validate the functionality.