

# Xiaoyun Wu

Contact Number - 9811 6843  
Email - e0702008@u.nus.edu

## EXPERIENCE

### COMPUTING FOR VOLUNTARY WELFARE ORGANISATIONS | BACKEND DEVELOPER | FRONTEND DEVELOPER | SECRETARY | DEPUTY TEAM LEAD

May 2023 - Aug 2023 | Singapore

#### Backend Developer:

- Fully ported a Case Management System backend from Ruby on Rails to Golang, building features including: RESTful api, RBAC, Auth and 2FA, Masquerading.
- Reduced backend response time from 5 - 20 times, depending on the module.
- Developed a solid understanding of database management and schema design with PostgreSQL.
- Participated in regular code reviews and feedback sessions to enhance coding skills and best practices.

#### Frontend Developer:

- Added Quality-of-Life enhancement features to React TypeScript web application based on clients' requests.

#### Secretary:

- Assist in coordinating actions 5 teams of total 32 engineers. Coordinating with external parties, managing resources and meeting minute taking.

#### Deputy Team Lead:

- Perform code reviews and manage team morale.

## PROJECTS

### CAMBODIA COMMUNITY LIBRARY | FULL STACK DEVELOPER

Aug 2023 - May 2024 | Ongoing

- A two year school project aimed to improve literacy level in Ou Ruessei, a village located at Cambodia. My task is to build a Digital Library Management System with User Interface to let the locals use our library with ease.

#### Backend Developer:

- Building a Library Management System Golang backend server on my own. Users can borrow, return renew and reserve books while staff can carry out administrative actions. All resources are managed with Role Based Access Control.

#### Repository link

<https://github.com/ForAeons/lms-backend>

#### Frontend Developer:

- A React Typescript web application that allows librarians to manage books, loans and fines, and let visitors view and loan books.

#### Repository link

Work In Progress

## LINKS

Github:// <https://github.com/ForAeons>

LinkedIn:// <https://www.linkedin.com/in/w-xiaoyun/>

## TECHNICAL SKILLS

### PROGRAMMING

Over 10000 lines:

Golang • TypeScript • JavaScript

Familiar:

PostgreSQL • MySQL • Java

### FRAMEWORK / LIBRARIES

Over 10000 lines:

Reactjs • Redux • Tailwind • GORM • Fiber

Over 1000 lines:

Rails

Familiar:

Svelte

### PROFESSIONAL SOFTWARE

Video Editing:

Premiere Pro • After Effects

### SPOKEN LANGUAGES

Native or bilingual proficiency:

English • Mandarin

## EDUCATION

### NATIONAL UNIVERSITY OF SINGAPORE

#### BACHELOR IN COMPUTING (COMPUTER SCIENCE)

Aug. 2022 - May. 2026 | Singapore

Cum. GPA: 4.68 / 5.0

## COURSEWORK

### UNDERGRADUATE

Programming Methodology I (A)

Programming Methodology II (A)

• Object Oriented Programming

• Functional Programming

Data Structures and Algorithms (A)