

# Xiaoyun Wu

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Portfolio page: <https://wxiaoyun.com/>

Availability: 13 May - 2 Aug 2024

## 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.
- Collaborated on team projects, applying agile methodologies and version control with Git and GitLab.
- 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 between 5 teams and a total of 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

<https://github.com/ForAeons/lms-frontend-v2>

#### Demo

<https://lms.wxiaoyun.com>

## TECHNICAL SKILLS

### PROGRAMMING

Languages:

Golang • TypeScript • JavaScript • Java

Technologies:

PostgreSQL • MySQL • Redis Reactjs •

Redux • Tailwind • GORM • Fiber • Rails

### ENVIRONMENT

OS

MacOS • Linux (Ubuntu) • Windows

### 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: 4.58 / 5.0

## COURSEWORK

### UNDERGRADUATE

Programming Methodology I (A)

Programming Methodology II (A)

- Object Oriented Programming

- Functional Programming

Data Structures and Algorithms (A)

Programming Language Concepts (A+)

## LINKS

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

LinkedIn://

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