



# LAW MING QI

Passionate Software Developer

Preferred Roles:

1. Backend Development Intern
2. Apps Solution Engineering Intern

## SKILLS

### Python



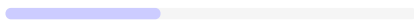
### Javascript



### C#



### Java



### Databases & SQL

Firebase, MSSQL



### Back-end Development

JavaScript, Node.js, Express.js



### Front-end Development

HTML, CSS, JavaScript, Bootstrap



### User Experience Design

Figma, Adobe



### GIT



## CONTACT

30 Woodlands Dr 16, Forestville  
11#22  
Singapore 737769

+65 98881351

lawmingqi1818@gmail.com  
School: S10257808@connect.np.edu.sg

## PROFILE

Proactive and goal-oriented IT student promoting well-developed skills in backend and frontend development and database management. Engaging demeanor known for working well in deadline-driven environments.

Driven by a passion for emerging technologies like quantum computing and DevOps, eager to explore these fields while strengthening core technical skills. Committed to continuous learning and growth in IT, with a focus on building scalable and maintainable solutions.

Adaptable and dedicated, with experience contributing effectively to diverse IT projects. Strong collaborator, ready to apply academic and industry knowledge to real-world challenges and looking to leverage acquired skills in a business setting.

## WORK EXPERIENCE

### Retail Assistant

Dec 2022 - Jan 2023

NTUC - Singapore

- Actively engaged with customers, providing general assistance and information on store merchandise to enhance the shopping experience.
- Replenished stock on the sales floor and maintained organized shelves, racks to ensure an attractive and easy-to-navigate store layout.
- Greeted customers, helped locate merchandise, and suggested suitable options.

### Retail and E-commerce Associate

Aug 2023 - Oct 2023

Cold Storage - Singapore

- Managed Online Orders: Processed and fulfilled online orders via Food Panda, ensuring timely and accurate delivery of grocery items.
- Grocery Selection and Replenishment: Picked and packed groceries efficiently, replenished stock, and ensured shelves were well-stocked to meet customer demand.
- Customer Assistance: Assisted customers in finding products, providing exceptional service, and addressing inquiries promptly to enhance the shopping experience.

# EDUCATION

## 2019 - 2022

GCE 'O'Level Certificate  
Orchid Park Secondary School

Achieved 6 distinctions in  
E Maths, A Maths, Chinese,  
Science (Bio/Chem),  
Principles of Accounts,  
Humanities (Social Studies/ History)

L1R4: 11  
L1R5: 13

## Apr 2023 - Present

Diploma in Information  
Technology  
Ngee Ann Polytechnic

# AWARDS

## 2019

Edusave Scholarship Award from Ministry of Education (MOE)

## 2022

Edusave Scholarship Award from MOE  
Edusave Award for Achievement, Good Leadership and Service  
Edusave Character Award

# CO-CURRICULAR ACTIVITIES (CCA)

## Orchid Park Secondary School

2019 - 2022

### Wushu

- **Captain**, Wushu School Team (2021 - 2022) – Led team training and provided coaching support.
- Participated in the **National School Games (NSG)** in 2021 and 2022.
- Achieved **Top 10** in the 2022 NSG for 1st International Nandao Female category.

## Ngee Ann Polytechnic

2023 - Present

### Wushu

- **Vice-Captain**, Wushu School Team (2023 - 2024)  
– Organize training sessions and led team for competition and performance preparations.
- Responsible for choreographing routines for **group events**.
- **2nd Place**, NTU Invitational Wushu Championship 2023.
- **1st Prize**, Youth Category Female, 1st International Nandao.
- **1st Prize**, Open Category Group Event Non-weapon.
- **Performances**: 2024 Duanwu Delight (Chinese Culture Performance), Ngee Ann Kongsì Cheque Presentation Ceremony 2024.

## Special Interest Group

- **Overflow**:  
Participated in a 3-day Data Structures and Algorithms Bootcamp, focused on problem-solving using Python.
- **ICT Society**:  
Assisted in the 2024 Graduation Ceremony for School of ICT to ensure smooth execution of the event.

# ACADEMIC PROJECTS / COMPETITION PROJECTS

Competition: National AI Student Challenge 2024

# CERTIFICATIONS

## PSM 1 - Professional Scrum Master 1

Certificate issued by Scrum.org to prove abilities in the fundamental level of Scrum mastery, including concepts of applying Scrum

## Google Project Management

- Project Execution: Running the Project
- Foundations of Project Management
- Project Planning: Putting It All Together
- Agile Project Management
- Project Initiation: Starting a Successful Project

Intense course designed to equip learners with in-demand project management skills.

## Online Tutorials

I believe in continuously expanding my knowledge beyond the classroom by exploring topics through online resources. I regularly take tutorials on platforms like LinkedIn and YouTube to reinforce what I've learned in class and to dive deeper into concepts.

## Track 2 Amazon Web Services (AWS)

Feb 2024 - March 2024

### Technologies used:

- Amazon SageMaker
- AWS Cloud Services
- Large language model (LLM) - LLaMA-2-7B-Chat

### Skills learned:

**LLM Fine-Tuning:** Experimented with and adjusted various hyperparameters such as epochs, learning rate, and batch size to optimize the performance of the model for specific tasks.

**AWS SageMaker:** Gained hands-on experience with AWS SageMaker Jumpstart for managing end-to-end machine learning workflows, including model training and deployment.

**Data Preparation and Augmentation:** Learned to prepare custom datasets to enhance model performance.

## Module: Back-end Development

### Develop a community engagement website

May 2024 - July 2024

### Technologies used:

- Front-end: HTML, CSS, Javascript, Bootstrap
- Database: Firebase, MSSQL
- Back-end: Node.js, Express.js
- Tools: Firebase Cloud Storage, RESTful APIs, CRUD operations

**Skills learned:** Middleware implementation, Graceful error handling, Firebase integration, User authentication (JWT), Responsive web design, CRUD operations, Real-time updates, RESTful API design

### Project highlights:

- Developed a **community club website** for users to **register, log in, update profile, book facilities, register for events, and provide feedback**, enhancing engagement and accessibility for club members.
- Designed a **responsive, user-friendly front-end** that ensures seamless access across devices.
- Integrated **Firebase** for **profile picture management**. Uploaded images are stored as files in **Firebase Storage**, with each image accessible via a unique **URL**.
- Implemented **authentication and authorization** using **JWT** and data protection measures through a hashing function, **bcrypt**.
- Managed backend data with **MSSQL**, handling **event registration, user profiles, and real-time announcements**.
- Developed **staff functionalities** with a dedicated **login system**, enabling staff to **manage and update website features**. Non-staff users have no access to these rights.

## Module: Software Project Management

**Technologies used:**

- Front-end: HTML, CSS, Javascript
- Database: Firebase

**Skills learned:**

**Agile Methodology:** Applied the Scrum framework to iteratively develop and refine the game website by organizing tasks into sprints.

**Task Management:** Leveraged JIRA to track tasks, manage sprints, and visualize project progress.

**Product Backlog Management:** Gained experience in reviewing and prioritizing the product backlog, ensuring tasks were well-ordered.

**Feature Development:** Defined and prioritized backlog items, including game features, UI/UX enhancements, and bug fixes, to ensure smooth progress throughout development.

**Importance of Feedback:** Emphasized continuous feedback during sprints to identify improvements early, ensuring alignment with project goals.

**Ambiguity Clarification:** Worked closely with team members and product owner (lecturers in this case) to clarify any ambiguity in user stories or requirements, promoting clear communication and shared understanding.

## ACTIVITIES

### International Experience

**Overseas Immersion Programme to Shenzhen, China**

March 2024

**Program Overview:** Participated in a 2 weeks long immersion program in Shenzhen, China, focusing on both industrial and cultural visits

**Key Activities:**

- **Industry Visits:** Engaged with leading tech companies and startups in Shenzhen such as Tencent and Minieye Technology, gaining insights into cutting-edge technologies and industry trends.
- **Cultural Exchange:** Immersed in Chinese culture like Wushu and Calligraphy and interacted with the professionals and students there, developing cross-cultural communication skills.
- **Cultural Visits:** Explored historic sites like Gankeng Hakka Town, enriching my understanding of traditional architecture and local customs while deepening my connection to Shenzhen's cultural heritage.

**Skills Gained:**

- **Global Perspective:** Enhanced understanding of international IT trends and global market dynamics and competitions.
- **Technical Knowledge:** Gained exposure to technologies in China to power a range of applications from intelligent assistants to immersive gaming experiences.
- **Cultural Competence:** Improved ability to work in diverse cultural settings and communicate across cultures.