

# Lim Jing Kai

Software Engineer | AI & ML Enthusiast

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[i.am.limjingkai@gmail.com](mailto:i.am.limjingkai@gmail.com)

[elljaykei.github.io](https://elljaykei.github.io)

## Experience

### Software Engineering Intern

Centre for Strategic Infocomm Technologies (CSIT)

SEP-NOV 2022

- Worked in secure development environment analyzing low-level software systems
- Applied assembly-level programming knowledge to understand system behavior
- Used reverse engineering tools such as IDA to analyze compiled binaries and frameworks
- Conducted debugging and software behavior analysis under confidentiality constraints

## Education

### National University of Singapore

Bachelor of Computing in Computer Science

2025 - Present

- NUS Undergraduate Scholarship

### Nanyang Polytechnic

Diploma in Information Technology  
2020 - 2023

GPA: 3.99 / 4.00

- CSIT - Nanyang Scholarship
- Director's List (All Semesters)

## Projects

### Procurement Request Management System — CSIT

Final Year Project (*Distinction*), NYP

2023

- Designed and implemented procurement request workflow proof-of-concept independently
- Developed backend services using C#, .NET, and Microsoft SQL Server
- Built interfaces supporting request submission and approval workflows
- Demonstrated feasibility of automating procurement processes

## Skills

- Python, Java, C#, SQL, C, JS
- Backend & Full-Stack Development
- Database Design
- Machine Learning Fundamentals
- Assembly Fundamentals
- Reverse Engineering (IDA)
- Data Structures & Algorithms
- Git & Version Control

### Founding Member of NYP.AI

Nanyang Polytechnic AI Interest Group

2021 - 2023

- Co-founded student AI interest group to promote machine learning Interest
- Organized workshops and events introducing AI and ML concepts
- Developed beginner-friendly learning materials