Lim Jing Kai

Software Engineer | AI & ML Enthusiast

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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

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

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

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)

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