MA TIN YU, MARTIN

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WORK EXPERIENCE:

The University of Hong Kong
Student Teaching Assistant (Comp2396B) | September, 2024 – December, 2024
- Held tutorial on explaining Java-related concepts and implementations
- Solved student problems on course material and assignments
- Handled enquiries from student regarding assignment and project

Asta System Limited

Software Engineer | June, 2024 – August, 2024
- Built web-based applications and mobile applications
- Collaborated with other developers to maintain the website and create new features.
- Made relevant documents, such as UAT, Functional Specification
- Assisted and tested troubleshooting software.

The University of Hong Kong

Student Teaching Assistant (Engg1340/Comp2113) | January, 2024 – May, 2024
- Held tutorial on explaining C++/C/Linux-related concepts and implementations
- Solved student problems on course material and assignments
- Assisted students' project development

RELEVANT PROJECTS:

Auto Fuzzing implemented with LLM Agents
- Build an agent for doing automatic fuzzing tasks
- Integrated the agent to automatic analyse and improve the fuzzer

LLM-Inference-using-Multi-Threading for Acceleration
- Create a LLM inference for simple prompt queries
- Implement Multi-Threading for fast computation

Passwordless Authentication Web Application
- Create a login-based gradebook system
- Apply email OTP vertification

EDUCATION:

2022 – 2026 | The University of Hong Kong
Expected Graduation Date: June, 2026
Bachelor of Engineering (Major in Computer Science)
CGPA: 3.45

SKILLS:

- Front-end and back-end web development
- Database development and implementation (SQL and Mongoose)
- Data analysis (Python and R)
- Code structure and architecture (Object-Oriented Programming, Functional Programming)
- Machine learngin algorithms and frameworks
- Large Language models development and optimization
- Computer Vision development and applications
- Linux and Operating Systems