

(EMILY) LO YEN XUAN

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EDUCATION

Master of Financial Technology, University of Nottingham Expected 2024
Relevant Modules: Blockchain and Cryptocurrency, Data Analytics and Machine Learning for FinTech

Bachelor of Computer Science (Hons), University of Nottingham 2021 - 2023
Grade: First Class Honours, Rank 1
Recipient of the Best Student Award 2023, Dean's Excellence Scholarship Award, Best Presenter Award
School of Computer Science Representative

SKILLS

Programming	Python, Typescript, JavaScript, Solidity, R, HTML/CSS, Java
Frameworks	ReactJS, VueJS, NodeJS, Express, Hardhat, TailwindCSS, JavaFX, Java SpringBoot
Software	Linux, Matlab, AWS EC2, AWS S3, Firebase, Git, VirtualBox, VMWare, BurpSuite, Wireshark
Databases	PostgreSQL, MySQL, InfluxDB, Redis
Languages	English (Native), Chinese (Native), Malay (Proficient)

EXPERIENCE

Software Engineering Internship June 2022 - Sept 2022
Tanand Technology Sdn Bhd *Selangor, Malaysia*

- **Tech Stack:** VueJS, NodeJS, TypeScript, Grafana, Nginx, Ngrok, Linux OS, PostgreSQL, InfluxDB, Redis, SSH, PM2, RestAPI, DataTable, MQTT, jQuery
- Led a team of 4 in delivering an IoT automation project which led to **15% cost savings** for the client's company.
- Ensure **100% system uptime** by implementing real-time alert system through WhatsApp and Telegram.
- Achieved multi-branch monitoring using cloud computing implemented through automated control system.

PROJECTS

Anti-Counterfeit Product Identification System using Blockchain. This project effectively addressed the global issue of counterfeiting by providing secure and transparent tracking and verification of product authenticity throughout the supply chain using smart contracts deployed on the Ethereum blockchain. [\(Code\)](#)

Food Ordering Chatbot using AI. This project achieved **Top 7 finalist** position at the Nott-A-Code Competition 2021 held at a national level. It utilises NLP techniques and TensorFlow to implement machine learning algorithms and integrated with Telegram for a seamless chat experience. [\(Code\)](#)

Personal Tutoring System This project streamlines the process of personal tutoring in educational institutions. It is deployed and used by the University of Nottingham Malaysia that accounts for over 7K+ people. [\(Code\)](#)

EXTRA-CURRICULAR ACTIVITIES

- Attended Capture The Flag (CTF) competitions in a team of 3 with a specific focus on OSINT (Open Source Intelligence), web security, and cryptography. Our team achieved the distinguished rank of being the **top 1 team in Malaysia** on ctftime.org in 2021.

LEADERSHIP

- Student Representative for the School of Computer Science for a student cohort of over 500+ individuals. Successfully chaired the teaching and learning forums, effectively resolving students' conflicts through collaborative efforts with the school. Achieved an outstanding **95% student satisfaction rating**.