

EMILY LO

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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

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|----------------------|--|
| Programming | Python, Typescript, JavaScript, Solidity, R, HTML/CSS, Java |
| Frameworks | ReactJS, VueJS, NodeJS, Express |
| Software | Linux, Matlab, AWS EC2, AWS S3, Firebase, Git, VirtualBox, VMWare, BurpSuite |
| Databases | PostgreSQL, MySQL, InfluxDB, Redis |
| Miscellaneous | Presentation, Project Management, Conflict Resolution, Leadership |
| Languages | English (Native), Chinese (Native), Malay (Proficient) |

EXPERIENCE

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

- Led a team of 4 in delivering an IoT automation project which led to 15% cost savings for the client's company.
- Developed a full-stack IoT automation project to monitor temperature and humidity in data centers using VueJS, Grafana as front-end, NodeJS written in Typescript as the back-end, InfluxDB, Postgres as the database and Redis for cache management, RestAPI for full-stack integration and deployed the project on Linux environments.
- Integrated the system with real-time notifications using Telegram and WhatsApp to alert stakeholders in case of abnormalities.

PROJECTS

Anti-Counterfeit Product Identification System using Blockchain. This project uses ReactJS and smart contracts deployed on the Ethereum network to provide secure and transparent tracking and verification of product authenticity throughout the supply chain, effectively combating the global issue of counterfeiting. ([Code](#))

Food Ordering Chatbot using AI. This project uses NLP techniques and TensorFlow to implement machine learning algorithms. It is integrated with Telegram for a seamless chat experience. This project achieved **Top 7 finalist** position at the nationally renowned Nott-A-Code Competition 2021. ([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.