Shun Le Yi Mon

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Education

University of Manchester — **Sep. 2021 - Jun. 2024**
B.Sc in Computer Science — *Expected 2:1*
Relevant Courses: Algorithms and Data Structure, Enterprise Strategy and Marketing, Finance, Data Science, Machine Learning, Software Engineering, Visual computing

Abbey College Manchester — **Sep. 2019 - Jun. 2021**
A-levels — *3 A*'s*
Subjects: Maths, Further Maths, Chemistry

Experience, Leadership & Volunteering

Online Maths Tutor at **University of Manchester** — **Apr. 2023 - Present**
- Delivering comprehensive online tutoring to **4-5 A-level students** from local colleges for an hour fortnightly for **a 14-month period**, fostering their understanding of computer science and mathematics.
- Underwent training and orientation to ensure adeptness in implementing **industry-leading methods and resources** endorsed by the London Mathematical Society, British Computer Society, and affiliated partners.

Technical Officer & Volunteer at **Greater Manchester Nightline** — **Dec. 2022 - Jun. 2023**
- Completed and passed post-test of listening training of **six-week**, and offered high-quality and non-judgmental listening service at least **three shifts per semester**.
- Managed office devices maintenance weekly and **re-designed** society website to overhaul vision and experience.

Online Data Analyst at **TELUS International AI Solutions** — **Sep. 2022 - Aug. 2023**
- Contributed to enhancing global **AI technology and digital experiences** on **monthly** basis.
- Proficiently handled diverse data types with high precision and accuracy on every task and ensured adherence to **ethical data handling practices**.

PASS Leader at **University of Manchester** — **Sep. 2022 - Jun. 2023**
- Mentored and guided **14 first-year students** in **a team of three**, facilitating a conducive learning environment weekly for an academic year.
- Offered consistent and high-quality guidance and feedback to student queries.

Projects

Eventlite (Software Engineering Team Project) — *Java, Spring MVC, Thymeleaf*
- Cooperated in **a team of seven** to design **event-listing web application**.
- Practiced **Test-Driven Development** throughout the project, maintained version control using **Git**, and integrated the **Mapbox API**, **Mastodon API** and **REST API**.

Stendhal (Software Engineering Team Course) — *Java*
- Cooperated in **a team of seven** to upgrade and develop features to **Stendhal** (an open source **MORPG game**).
- Practiced and implemented **Test-Driven Development, Jenkins, and CI/ CD Brown field development** throughout the project, maintained version control using **Git**.

Face recognition and Completion (Machine Learning Coursework) — *Python, Numpy*
- Applied **machine learning** techniques to complete faces of individuals given a set of half-face data.
- Integrated **regularised least squares, gradient descent** to design models, **confusion matrix** to visualize the results and performance, and **one-hot encoding and k-fold cross validation** to train models.

Personal Projects — *Swift, SwiftUI, Python*
- Developed various **iOS** applications such as image editing, informational, classic games, geological and educational using **XCode**; integrated machine learning API using **Core ML** and **accessibility** features to generates a seamless user experience.
- Designed *data analysis and prediction for the stock price of a selected company* and *analyze customer churn for a telecommunications company* in **Jupyter**; integrated **pandas**, **numpy**, **sklearn**, **matplotlib**, **seaborn**, **yfinance**, **statsmodels** libraries.

E-Menu (First Year Team Project) — *HTML, CSS, JavaScript, SQL*
- Cooperated in **a team of seven** to design **recipe web application**.
- **Co-led** and collaborated on **front-end and back-end**, tracked and maintained version control using **Git**.

Skills

Programming Languages: Python, Java, C, C++, HTML, CSS, JavaScript, Haskell, Swift, Swift UI, Rust
Speaking Languages (based in CEFR scale): English- C1, Burmese- B2, Chinese- B1, Japanese- A2