

# Ashley Ng Le Xuan

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nglexuan.github.io

## EDUCATION

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**University of Manchester**  
BSc Actuarial Science and Mathematics

Manchester  
September 2022 — June 2025

**Sunway University College**  
A-Levels 4A\*s  
Subjects: Further Mathematics, Economics, Mathematics and Accounting

Selangor, Malaysia  
July 2020 — December 2021

**Sri KDU International School**  
IGCSE 11A\*/A

Selangor, Malaysia  
Sept 2016 — June 2020

## EXPERIENCE

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**UoM Peer Support**  
*PASS Leader*

Manchester, UK  
September 2023 - June 2024

- Completed training to offer assistance to first year students' transition to and through higher education by providing past experience while I was a first year.
- Offered weekly sessions for students to ask questions and make friends.

**Hong Leong Bank Berhad**  
*Intern*

Kuala Lumpur, Malaysia  
March 2022 - June 2022

- Actively participated in the development and implementation of innovative features for our digital banking applications to enhance the overall user experience by analysing user feedback.
- Constructed detailed report daily to update on work progress and errors found in the application and/or website while conducting analysis.

**Grace Volleyball Academy**  
*Assistant Coach*

Selangor, Malaysia  
March 2022 - June 2022

- Implemented effective training drills, strategic game planning and personal feedback that resulted in measurable improvement in players' skills and overall team performance.

**MUJI Malaysia**  
*Part-time Retail Assistant*

Selangor, Malaysia  
January 2022 - February 2022

- Delivered exceptional customer service and contributing to the overall success of the retail team by engaging with customers using clear communication to ensure a positive shopping experience and fostering lasting relationships.

**Sunway Student Volunteers**  
*Student Volunteer*

Selangor, Malaysia  
July 2020 - January 2021

- Actively contributed time and skills to engage in environmental conservation efforts, collaborated with diverse groups of people, and demonstrated a passion for addressing social issues.

## PROJECTS

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**Goodness of Fit and Monte Carlo Sampling**

*Project Link:* <https://nglexuan.github.io/practicalstatistics3.html>

December 2023

- Investigated whether a given sample data could be regarded as a standard normal distribution using Goodness of Fit tests and applied Monte Carlo on estimations and rejection samplings using R and LaTeX.

**Casualty Severity Analysis**

*Project Link:* <https://nglexuan.github.io/practicalstatistics2.html>

October 2023

- Analysed the relation between casualty severity and mode of transport in Greater London 2022 using R and LATEX.

## White Wine Analysis

Project Link: <https://nglexuan.github.io/practicalstatistics1.html>

October 2023

- Analysed the contains of sulfur dioxide, the quality and density of white wine from a dataset using R and converted analysis to a report using LATEX.

## Naive Bayesian Spam Classification

Project Link: <https://nglexuan.github.io/naivebayesianclassification.html>

July 2023

- Used Naive Bayes to implement a filter to analyse whether a message received is a spam message using pandas in Python.

## ACHIEVEMENTS

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### Duke of Edinburgh

Bronze Award

Kuala Lumpur, Malaysia  
November 2018 - July 2019

- Completed a 19km hike for a 2 days 1 night expedition, cooperated with teammates to find the paths to the end using a compass and map.
- Tutored refugee students aged 5-13 every week for three months as a part of my volunteering section

### Senior Mathematical Challenge (UKMT)

Bronze Award

Selangor, Malaysia  
October 2020

- Achieved Bronze Award for the challenge in college.

### Cambridge Upper Second Science Competition

Silver Certificate

Selangor, Malaysia  
April 2020

- Decided on an experiment topic after discussion with teammates, performed the experiment and observed the results of the experiment. Compiled results and experiment plan into a PowerPoint for a presentation.

### Intermediate Mathematical Challenge (UKMT)

Silver Award

Selangor, Malaysia  
January 2017

- Achieved Silver Award for the challenge in secondary school.

### Principal's Certificate of Excellence

Mathematics

Selangor, Malaysia  
September 2016

- Achieved an Excellence Award from the Principle as a recognition for my outstanding performance in secondary school.

## SKILLS

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- **Data Analysis:** Proficient in R, Python, LaTeX Overleaf
- **Software:** Proficient in RStudio and MS Office
- **Languages:** English (fluent), Mandarin (fluent), Cantonese (fluent), Malay (Advanced)

## HOBBIES AND INTERESTS

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### Cheerleading

Charm Cheerleading Championship (C3)

Kuala Lumpur, Malaysia

- Open Coed Level 4 (Champion) August 2022
- High School Coed Level 3 (Champion) July 2019

Asia Cheerleading Invitational Championship (ACIC)

Downtown East, Singapore

- High School All Girls Level 2 (Champion) April 2018

### Volleyball

Grace Volleyball Tournament

Selangor, Malaysia

- Women's Open (Bronze) August 2022
- Friendly Tournament (Silver) October 2019

Majlis Sukan Sekolah Selangor

Selangor, Malaysia

- State Volleyball Competition (Silver) July 2016