

**EDUCATION****National University of Singapore (NUS)****Aug 2018 -- present**

Bachelor of Computing (Honours) in Computer Science

Intended Focus Areas: AI and Database System

CAP: 4.9 / 5.0

Expected Date of Graduation: May 2022

Recipient of Science &amp; Technology Undergraduate Merit Scholarship (for international student)

**National Junior College (NJC)****Jan 2016 -- Dec 2017**

Singapore GCE-A level results: 7 As and 1 Distinction (90 / 90)

**PROJECT EXPERIENCE****NUS Course - Introduction to Artificial Intelligence****Apr 2020 – May 2020**

Collaborated with another student, wrote Python programs to solve Sudoku puzzles as Constraint

Satisfaction Problems using different heuristics and inference mechanisms.

Presented the analysis on the performance of different algorithms in a written report.

**NUS Course - Database Systems****Apr 2020 – May 2020**

Collaborated with 3 other students in building a web-based database application for food delivery service.

The application was written in HTML and JavaScript (with NodeJS and Bootstrap support) and uses

PostgreSQL as database server. It follows Model-View-Controller model and supports different functions

for different types of users (customer/restaurant staff/delivery rider/manager).

**NUS Course - Software Engineering****Feb 2020 – April 2020**

Collaborated with 3 other students in building a diet-and-exercise-recording application. The application

was written in Java, has a GUI created with JavaFX and about 21k lines of code.

**NUS Course - Introduction to Artificial Intelligence****Feb 2020 – Mar 2020**

Collaborated with 3 students, wrote Python programs to perform uninformed Breadth-First search and

informed A\* search with different heuristics on solving generalised k-tile puzzles.

Presented the analysis on the viability and performance of each search in a written report.

**NUS Course - Decision making methods and tools Course -****Mar 2019 – Apr 2020**

Collaborated with 4 other students in using R to investigate the variables that influence the risk of heart disease occurrence. Data cleaning and processing methods including logistic regression, support vector machine, random forest, naive Bayes classifier and ensemble model were used.

Showcased the findings through group presentation in front of the whole class and obtained A grade.

**NJC Science Training and Research Programme (E-STaR)****Jul 2016 -- Mar 2017**

Attached to the Singapore Institute of Manufacturing Technology (Simtech) for a short-term research project on testing the reliability of a communication protocol on Internet-of-things (IoT) devices.

Diligently designed and carried out field tests to attain results for analysis.

Presented the findings of the project at the College's STaR Symposium and later the Singapore Science and Engineering Fair (SSEF). Obtained Merit Award for completing the programme.

**CO-CURRICULAR ACTIVITIES****NUS Community Development Learning Programme (CDLP)****Feb 2020 -- Present**

Formed an organising committee with 3 other students. In collaboration with Cavalry Community Care, organising and participating in outreach sessions for the elderly in Potang Pasir communities.

**NUS Statistics Society Member****Aug 2019 -- Present**

Nominated as the Vice Project Director of Career Talk Unit.

In collaboration with BestTop Consulting Pte. Ltd, organised Data Science Industry Career Sharing events on Oct 23, 2019 and Mar 26, 2020.

**ACS(I) Mathematics Competition Team Member****Mar 2014 -- Aug 2015**

Participated in national and international Math competitions. Achievements obtained include Silver Awards in Singapore Mathematical Olympiad (SMO), Gold Awards in the UK Senior Mathematical Challenge and High Distinction in American Mathematics Contest.

**ADDITIONAL**

Fluent in written and spoken mandarin.