

# FU YIK LYN (ELAINE)

COMPUTER SCIENCE UNDERGRADUATE



## CONTACT



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## PROFILE

Passionate about solving complex problems and building intelligent systems that impacts people's lives by collaborating with diverse teams to create innovative solutions.

## SKILLS

Python ● ● ● ● ●  
Java ● ● ● ● ●  
Javascript ● ● ● ●  
SQL ● ● ● ● ●  
HTML/CSS ● ● ● ●  
Pytorch, NumPy, Pandas, ScikitLearn

## LANGUAGE

English ● ● ● ● ●  
Mandarin ● ● ● ● ●  
Malay ● ● ● ●  
Cantonese ● ● ●

## QUALITIES

Problem Solving

Communication

Teamwork

Analytical

Agile

## INTEREST

Software development

Hiking

Reading

Pets

Photography

## EDUCATION

### BACHELOR OF COMPUTER SCIENCE (AI)

Universiti Malaya | Oct 2020 - Jan 2025 | CGPA: 3.06

Relevant courses: Algorithm Design & Analysis, Data Structure, Software Modelling, Database, Machine Learning, Neural Network, Natural Language Processing

Technical skills: Java (3yr), Python (3yr), Javascript (2 yrs), SQL, HTML, CSS

## PROJECTS

### FINAL YEAR PROJECT

Individual project | Nov 2023 - Present

Used Machine Learning models including LLM and BERT to develop a prediction model for sentiment analysis of student reviews for every course subject, collaborating with the administrative of faculty of computer science in UM.

### MACHINE LEARNING

Group project | May - June 2023

Predicting patients' death in the hospital using various **machine learning models** including logic regression, decision tree, and random forest model algorithm using **Python**.

### ALGORITHM DESIGN & ANALYSIS

Group project | June 2022

Used **Python** and **HTML** to develop system that calculates optimum delivery route for trucks by designing algorithms.

### DATA STRUCTURES

Group project | Apr 2021

Used **Java** to build an issue tracker system that tracks and solves issues reported based on priority, tags and timelines to keep them organized.

## EXPERIENCE

### 1ST RUNNER UP IN COGNIZANT VWORK

Cognizant Malaysia | Nov 2023

Develop **web application prototype** for youth programmes recommendation based on their skills, experience, and personality using **generative AI** algorithms.

### 2ND RUNNER UP IN PALM GAME JAM

Sime Darby Plantation | Nov 2020

Use **Javascript** and **HTML** to develop a game prototype that creates awareness about sustainability in the Palm Oil industry by implementing fun and interactive elements.

### RESEARCH HACKATHON CODE FOR HEALTH

International Medical University (IMU) | Nov 2021

Developed prototype of mobile application for non-medical care takers as a solution to monitor elderly patients and connect with medical certifies volunteers during emergency.

### TOASTMASTERS CLUB IN UNIVERSITI MALAYA

Secretary | April 2021 - April 2022

Manage the club in a team while practicing **public speaking** as a member to develop **communication** skills by delivering speeches and organising club documents.

### AIESEC IN UNIVERSITI MALAYA

Head of Department in Marketing | Feb 2022 - Feb 2023

Develop **brand advocacy** of organisation as a youth leadership development platform through sales & marketing campaigns and provide good customer experience to youths.