



## CONTACT

+60 17-877 7188

joseph.txh@gmail.com

[hosef99.github.io/Website](https://hosef99.github.io/Website)

Block I 1209 Mutiara Ville,  
Persiaran Sepang, Cyber 11,  
63000 Cyberjaya, Selangor

## SKILLS

- HTML
- CSS
- JavaScript
- C#
- Python
- Unity Game Engine
- Google Sheets
- JavaScript
- LaTeX

## LANGUAGES

- English
- Mandarin
- Malay

# JOSEPH TAN

## PROFILE

I am a motivated Computer Science student with expertise in algorithm design and optimization. Proficient in software and web development, seeking a challenging role in a dynamic work environment to further develop skills and contribute to the success of the organization.

## EDUCATION

### King Henry VIII College 2018 - 2022

A levels from Sep 2020 - Jul 2022

O levels from Sep 2018 - Jul 2020

Mathematics, Further Mathematics, Physics, Computer Science

## PROJECTS

### Personal Website

Mar 2023

- Designed and developed a [personal website](#) from scratch to showcase a comprehensive collection of my projects
- Utilized HTML, CSS, and JavaScript to construct the website

### Watch my Nucleus Game Development

2 Oct 2021 - 5 Oct 2021

- Developed the game and composed the music for [Watch my Nucleus](#), a short 3 minutes physics simulation game made in 72 hours for the Ludum Dare 49 Game Jam
- Awarded 61st place in "Theme" category and 178th place in "Audio" category across 2939 game submissions.
- Developed using Unity, C# and FL Studio 20

### A\* Pathfinding Algorithm Visualization Application

Dec 2020 - Jan 2021

- Developed an [application](#) to visualize the A\* pathfinding algorithm.
- Visualizes parameters in the A\* algorithm at runtime
- Created algorithm with JS and rendered graphics using P5.js

## WORK EXPERIENCE

### Private Home Tutor

Sep 2020 - Present

- Tutored students in mathematics, physics and computer science
- Analyzed students' problems, planned effective lessons and provide positive feedbacks to encourage