



## CONTACT

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## SKILLS

- Python
- C#
- 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

### 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.

### 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

## 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