JOSEPH TAN

CONTACT

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Hosef99.github.io/Website

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SKILLS

- Python
- C#
- Google Sheets
- JavaScript
- LaTeX

LANGUAGE

- English
- Mandarin
- Malay

PROFILE

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

Watch my Nucleus

2 Oct 2021 - 5 Oct 2021

- Developed 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.
- Used C# and Unity Game Engine to develop the game and FL Studio 20 to create the music.

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
- Allow users to customize test cases
- JavaScript was used to run the algorithm and p5js to display the output.

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