

# Soh Shing Hao



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## EDUCATION

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**Nanyang Technological University, Singapore**

**2021 – 2025 (Expected)**

**Bachelor of Engineering (Computer Science)**

- Data Structures & Algorithms, Data Science & Machine Learning, Computer Architecture

**Temasek Polytechnic**

**2016 - 2019**

**Diploma with Merit, Game Design & Development**

- Distinction in Game Design, Problem Solving & Programming, Computing Mathematics 2, 3D Game Texturing Lighting & Animation, Game Production & Publishing
- Received TP – Fujitsu & TP – Microsoft Scholarships
- Participated in an exchange program with Hanoi University of Science & Technology to create mobile application prototypes for Dignity Mama Singapore and a Pottery village in Hanoi

## WORK EXPERIENCE

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**GSafety Technology Pte Ltd**

**Feb 19 – May 19**

**Software Developer Internship**

- Developed a proof-of-concept 3D application with Unity Engine
- Developed a proof-of-concept web navigation prototype using JavaScript & OpenStreetMap
- Proof-of-concept prototypes were used as demo for business proposals

**Kumamoto National Institute of Technology**

**Nov 18 – Jan 19**

**Student Internship**

- Assisted Students' undergraduate project on creating real time display of brain activity while listening to high resolution music
- Created 2D animations in Photoshop to provide visual representations for project data
- Participated in University's English-Speaking Society to help Japanese students improve their English

## PROJECTS

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**Sleep Data Analysis & Machine Learning**

**Apr 22**

- Python Pandas, Scikit-learn, NumPy, Seaborn, Matplotlib
- Analysis how sleep quality is affected by factors such as time to bed, lifestyle & sleep cycle

**Lion City (MINDEF)**

**Jul 18 – Nov 18**

- Collaborated with team of 5 to design & develop a city-building game that aims to educate Singaporeans on the Total Defence pillars
- Awarded the Lee Hsien Loong Smart Nation Award 2019

**Breakout Monkey**

**Oct 17 – Feb 18**

- Collaborated with team of 3 to design, develop & publish a mobile endless runner game

## SKILLS

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**Programming Languages:** C, Python, HTML, CSS, JavaScript

**Tools:** Adobe Photoshop, Unity Game Engine