

# Tan Khang Hou

DIPLOMA IN INFORMATION TECHNOLOGY · SINGAPORE POLYTECHNIC

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## Education

### National University of Singapore

COMPUTER SCIENCE

- GPA: 4.75/5.0

Singapore

Aug 2022 - Present

### Singapore Polytechnic

INFORMATION TECHNOLOGY

- GPA: 3.96/4.0
- Graduated with Merit
- Awardee of the CSIT Diploma Scholarship
- Awardee of the Accenture Technology Prize

Singapore

Apr 2017 - May 2020

## Skills

**Programming** C# · Java · Javascript · Python · MySQL · NoSQL · Web3 & Solidity

**Frameworks** Next.js · React · React Native · Spring Boot · Angular

**Others** Photoshop · Illustrator · Adobe XD · Davinci Resolve · Figma · Obsidian

**Interests** Writing · Videography · Board Games · Coding · Music · Productivity

## Work Experience

### Orthogait Pte Ltd

WEB DEVELOPER

- Developed an e-commerce site from scratch for my client, Orthogait to sell their goods
- Ensured adaptability and maintainability of code through detailed documentation
- Built a client-facing website for Orthogait to improve the company's Google search rankings and increase user impressions

Singapore

Jul 2022 - Present

### Transliner Pte. Ltd

WEB DEVELOPER

- Involved in full System Development Life Cycle (SDLC) and migrated the company's legacy ERP system from ASP.NET WebForms to ASP.NET Core, improving the loading speed and code reusability of the system.
- Redesigned the company's former drag-and-drop website builder (Wix) in Angular. Metrics such as web loading speed, website responsiveness and usability were also improved.
- Spearheaded a mobile app prototype for the company's ERP system to enable employees to update the system on-the-go

Singapore

Mar 2020 - Aug 2020

### Centre for Strategic Infocomm Technologies (CSIT)

SOFTWARE DEVELOPER INTERN

- Developed a drag-and-drop e-form builder prototype, streamlining the process of creating a form and automates the collection of form data
- Built 2 core modules for the company's new e-payment system to simplify the gathering of feedback and analysis of data
- Collaborated with a partner, utilising software principles such as SCRUM Framework and version control to streamline management of tasks and development.

Singapore

Oct 2019 - Feb 2020

## Extracurricular Activities

### TeachSG @ Filos Community Services

VOLUNTEER

- Tutored a secondary school student with autism English
- Prepared weekly quizzes, questions, readings and homework for my student
- Encouraged my tutee to speak and ask more questions, and experimented with many ways to get him to speak passionately

Bedok

Aug 2022 - Dec 2022

## Virtual Python Telegram Workshop

*Siglap South Community Centre*

ORGANISER

*Dec 2021*

- Organised a 2-day virtual coding workshop for beginners with a collaborator. Taught participants how to create a Chatbot on Telegram using Python.
- Conducted a class of 8 students via Zoom and ensured that they could follow along and understand the lesson materials
- Designed advertising materials and actively promoted the event

## RowdyHacks 2021

*University of Texas at San Antonio*

PARTICIPANT

*Mar 2021*

- Participated in a 40-hour online hackathon, hosted by UTSA. I formed a team with two other Americans who I didn't know before the hackathon
- Created EasyAI was a drag-and-drop website-builder, but for neural networks
- Designed the frontend with React and adapted the backend data to generate dynamic charts with chart.js

## Personal Projects

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### Eye Want to Rest

- Published Eye Want to Rest on both App Store and Google Play Store. Designed to help people take care of their eye health
- Accumulated almost 200 downloads on the App Store

### Wall Game

- Created a web-based 3D game using Three.js where the player moves around in a plane to dodge walls. The player gets progressively faster, as do the walls and is meant to be a challenging game

### Inventory Management System

INTEGRATIF PTE LTD

- Wrote an inventory system website in React & ASP.NET for central management and storage of inventory stock.
- Designed the database and mapped relationships of various entities within the company from scratch using SQL Server