

Tan Khang Hou

DIPLOMA IN INFORMATION TECHNOLOGY · SINGAPORE POLYTECHNIC

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Education

Singapore Polytechnic

DIPLOMA IN INFORMATION TECHNOLOGY

Singapore

Apr 2017 - May 2020

- GPA: 3.96/4.0
- Graduated with Merit (awarded to the top 10% of the graduating cohort)
- Awarded with CSIT Diploma Scholarship
- Awarded with Accenture Technology Prize (given to the top 5% of the graduating cohort)

Maris Stella High School

GCE 'O' LEVEL CERTIFICATE

Singapore

Jan 2012 - Dec 2015

Skills

Programming	C# · Java · Node.JS · React Native · Python · SQL · NoSQL w/ MongoDB
Web	React · Spring Boot · Angular · Express · HTML5, CSS & Javascript · ASP.NET · ASP.NET Core
Languages	English · Chinese
Interests	Reading · Writing · Photography · Coding · Chess

Work Experience

Transliner Pte Ltd

WEB DEVELOPER

Singapore

March 2020 - August 2020

- 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.
- Rewrote the company's former drag-and-drop website builder (Wix) in Angular so as to implement a shipment tracker within the same website, rather than separate. Metrics such as web loading speed, website responsiveness and usability were also improved.
- Developed a mobile app prototype for the company's ERP system that enables employees to update the ERP system on-the-go

Centre for Strategic Infocomm Technologies (CSIT)

SOFTWARE DEVELOPER INTERN

Singapore

Oct. 2019 - Feb 2020

- Developed a drag-and-drop e-form builder prototype (Spring Boot & MongoDB) that streamlines the process of creating a form and automates the collection of form data
- Built two core modules for the company's new e-payment system (Spring Boot & Spring Data JPA) to simplify the gathering of feedback and analysis of data
- Collaborated on both projects with a partner, using software principles such as SCRUM Framework and version control to streamline management of tasks and development.

Extracurricular Activities

RowdyHacks 2021

PARTICIPANT

University of Texas at San Antonio

Mar 2021

- Participated in a 40-hour online hackathon, hosted by UTSA. I formed a team with other Americans despite registering with the intention of going solo and simply observing the environment
- EasyAI was the name I came up for our idea, because our solution 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

Bags for Schools V3

VOLUNTEER

Braddell Heights Community Club

Dec 2019

- Worked with a group of 100+ students to efficiently pack and organise school bags.
- Led a group of 5 to deliver school bags to needy children

Code XtremeApps 2018 & 2019

Singapore Management University

PARTICIPANT

July 2018, July 2019

- Participated in two 24-hour coding competitions in 2018 and 2019 that required us to build an AI-related solution, and a solution that tackles an issue that Singapore faces respectively.
- In 2018, we built an AI chatbot on Telegram to help identify medicine just by image alone.
- In 2019, we built a React Native application that allows leftover food buffets to be sold at cheap prices, effectively lowering food wastage

Personal Projects

Habitual

- A passion project mobile application that was built in React Native with Expo
- It helps users build good habits by helping users adhere to timings, e.g.: Light exercises every morning at 9am for 10 minutes

Orthogait

DEVELOPER

- Built a Squarespace website for Orthogait to improve the company's Google search rankings
- Bumped up user impressions and SEO. Google search rankings improved to become 2nd place when you type in 'spinecor singapore'

Inventory Management System

- Wrote a inventory system website in React & ASP.NET for central management and storage of inventory stock.
- Designed the database from scratch using SQL Server