

Heng Ming Ji

Software Engineer

EXPERIENCE

RoviSys Asia, Singapore – Software Engineer

JULY 2019 – JANUARY 2022

- Using 3rd party software to implement Plant Information Management System to help client achieve real-time factory data analysis globally.
- Implement Network Monitoring System to notify user through email if any network issue occurs.

Temasek Laboratories@NTU, Singapore – Intern

JANUARY 2018 – JUNE 2018

PROJECTS

Music Visualizer – Vanilla JS Web Apps

Personal Side Project

- Generate simple music video, displaying audio spectrum, lyrics and playtime.
- Tech stacks: Javascript, CSS, HTML.

To-Do App – Full-Stack React Web Apps

Personal Side Project

- A to-do list web apps with features including user login, CRUD operation, searching, filtering, sorting, UI light/dark mode.
- Tech stacks: React (typescript), ASP.NET Core (C#), Material UI, IdentityServer4, PostgreSQL, Axios, React-hook form, Redux-toolkit.

whatToWatch(movie) – React Web Apps using Public API

Personal Side Project

- A movie catalog site to let users explore or search movie.
- Tech stacks: React (typescript), React Query, Axios, Tailwind CSS, TMDB API.

Maze Escaped – Socket-IO Game

Personal Side Project

- Multiplayer Io game: players have to find the flag hidden to win.
- Tech stacks: Typescript, Socket.io, Express, HTML.

Portfolio Site – React Web Site

Personal Side Project

- A site to share projects that I worked on.
- Tech stacks: React (typescript), Tailwind CSS.

Automation of Fire Watcher – Computer Vision

AUGUST 2018 – MAY 2019 | Uni. Final Year Project

- Vision-based fire detection system.
- Tech stacks: Python, OpenCV.

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EDUCATION

Nanyang Technological University, Singapore

B.Eng. in Mechanical Engineering
AUGUST 2015 – JUNE 2019

- > 2nd Class (Upper) Honours
- > Specialized in Mechatronics
- > Cum. GPA: 4.37/5.00

SKILLS

Programming Languages:

- > Javascript, Typescript, C#, CSS, HTML.

Development:

- > React, Node, .Net, Docker, SQL, Git.

Languages:

- > English, Mandarin, Malay.