Heng Ming Ji

Software Engineer

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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, PostgresSQL, 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.

EDUCATION

Nanyang Technological University, Singapore
B.Eng. in Mechanical Engineering
AUGUST 2015 – JUNE 2019

> 2nd Class (Upper) Honours
> Specialized in Mechatronics
> Cum. GPA: 4.40/5.00

SKILLS

Programming Languages:

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

Languages:

> English, Mandarin, Malay.

Development:

> React, Node, Git.