

# 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, email notification.
- Tech stacks: React (typescript), ASP.NET Core (C#), Material UI, IdentityServer4, PostgreSQL, Axios, React-hook form, Redux-toolkit, RabbitMQ, MassTransit, Mailjet.

### **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

- > 2<sup>nd</sup> 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.