

# CHING HIN MAN

## CONTACT

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## LINKS

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Github: <https://github.com/CoderMCH>

## SKILLS

Cantonese  
Mandarin  
English  
C++  
Java  
Selenium  
HTML  
CSS  
JavaScript  
Object-oriented programming (OOP)  
React  
Angular  
Node.js  
Postman  
PostgreSQL  
MongoDB  
Firebase  
GitHub  
GitLab  
Team Foundation Server (TFS)  
Agile Methodology  
Problem solving  
Troubleshooting  
Team work

## PROFESSIONAL SUMMARY

Result-oriented software engineer and web developer, bolstered with a degree in Mechatronic Engineering and certification in Full Stack Development. Passionate about creating automation tools and highly scalable applications in C++, Java, React and Angular. Dedicated to leveraging combined experience in engineering, software and web development to augment performance, drive innovation and achieve customer satisfaction.

## WORK HISTORY

**Software Engineer, 07/2022 to 09/2023**  
**ASMPT Ltd - Hong Kong SAR**

- Implemented tool manager in application to retrieve, update, search tools from database.
- Implemented collision detection between modules to avoid modules collision while in production.
- Collaborated with process engineers to define and implement tool change process of pick arm and bond arm to enable multiple type of die production.
- Collaborated with process engineers to optimize work flow and reduce time spent in production.

**Programmer, 05/2021 to 07/2022**  
**SquareDog Robotics Limited - Hong Kong SAR**

- Collaborated with proficient welding workers to develop user interface and robot arm welding process in construction site.
- Maintained and developed functions for in-house simulator, such as welding record replay, pick place action and synchronize with Universal Robot offline simulator.
- Collaborated with electrical engineers to integrate computer and PLC as a control unit of sliders, welding machines and motor wheels.
- Implemented communication with Han's robot arm and standardize robot arm abstract class for further compatibility of other robot arm brand.
- Implemented computer vision to locate holes' coordinate in an industrial water boiler for auto boiler washing process.

## EDUCATION

Full Stack Web Development  
**CareerFoundry**

- **Bachelor of Engineering** : Mechatronics Engineering, 11/2021  
**University of New South Wales** - Sydney, Australia