

# TIK-SANG CHUNG (DYLAN)

Front End Developer with strong engineering background

## SUMMARY

A talented and proactive engineer with 2+ years industrial experience with exceptional multi-tasking and technical skills. Possesses solid programming paradigm, software & hardware development and products implementations. Driven and initiate to develop application and come up with creative solutions as well as collaborate professionals for effective data management. A quick and smart learner who can absorb new ideas and build-up cutting-edge technologies and knowledge.

## WORK EXPERIENCE

### Electronic Engineer at Avantec Manufacturing Ltd, Hong Kong

May 2020 — Jun 2022

- Launched and implemented the Web Dashboard, mobile App in both iOS & Android system for wireless HVAC control.
- Created full stack development for client's input and devices data analysis using MongoDB and DynamoDB.
- Enhanced HVAC IoT to support smart home heating & cooling system.
- Designed and programmed the HVAC & PLC microcontroller (MODBUS) using C and Assembly programming language.
- Led in maintaining and validating components & PCB designs during the production phase of the product lifetime.

## PROJECTS

### HVAC Dashboard (Full stack Web)

2021

React, MUI, AWS (EC2, Lambda, DynamoDB), Rest APIs, JavaScript

- Built a full-stack web dashboard that allow admin to track and control the HVAC devices.
- Deployed and implement the application with AWS services.
- Created Rest API for storing devices data into DynamoDB.







### Avan-stats (Full stack App) *iOS / Android*

2021

React Native, AWS EC2, Docker, Nodejs, Express, MongoDB

- Facilitate users with login system for profiles and tracking connected devices wirelessly. Adopt MQTT network for controlling devices.
- Successfully establish APP in multi-platform in App Store and Google Play.
- Created and integrated application inside Docker of devices data analysis and stored into MongoDB.
- On-going maintenance and improvement for supporting multiple HVAC models.

## CONTACT

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## SKILLS

HTML  
CSS  
JavaScript  
React  
React Native  
Node.js  
MongoDB  
Docker  
AWS  
C  
C++  
Assembly Language

## EDUCATION

**2019 | BEng Electrical & Electronic Engineering**

*University of Sussex, UK*