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EDUCATION

Nanyang Technological University, Singapore

Aug 2019 – May 2022

Bachelor of Engineering (Electrical Electronic Engineering)

- Expected Honours (Distinction)

Nanyang Polytechnic

Apr 2014 – May 2017

Diploma in Electrical Engineering with Eco-Design

- Diploma with Merit
- Director List

ACADEMIC PROJECT

Nanyang Polytechnic, Singapore

Oct 2016 – Jan 2017

Final Year Project – Design a programme to detect obstacles around the Driverless Vehicle

- Developed a C++ Programme by using Robotic Operating System (ROS) and Point Cloud Library (PCL) to obtain data type from laser sensor
- Optimised amount of memory used for the programme for other purposes
- Validated by using driverless vehicle in NYP and run the programme in campus compound

INTERNSHIP EXPERIENCE

Beng Hock Mechanical Engineering Pte. Ltd

Aug 2020 – Dec 2020

Electrical Engineering Internship

- Implemented program for Self-Cleaning Toilet project using PLCNext Software
- Assisted deputy manager to improve SGBin Project
- Redesigned electrical circuit and update implemented features using Electrical AutoCAD

Singapore Technologies Engineering Ltd (Info-Comm System)

Jan 2017 – Apr 2017

Defence, Public Safety and Security Systems, Intern

- Analysed problems with engineers from other companies to improve defence of Singapore Armed Force
- Maintained and coded previous tracking systems to further eliminate errors and discomfort cause by the tracking system
- Managed development of the Seletar Camp installation for People Access System and Vehicle Access System
- Facilitated the teaching process on operation of system to users.

WORK EXPERIENCE

Singapore Technologies Engineering Ltd (Info-Comm System)

Jun 2017 – Aug 2017

Intelligent Transport and Mobility Systems, Contracted Staff

- Coordinated with project team to bring national level project to completion
- Analysed new configuration, plan and schedule updates for software version and data deployment
- Identified key problem areas and presented insights to supervisor for a smooth test ahead.

CO-CURRICULAR ACTIVITIES

School of Engineering Club

Jan 2015 – May 2017

Executive Communities

Freshman Orientation Human Resource In-Charge

- Analysed previous records and methods of promoting our events
- Outreached to undergraduates help an increase of 50% compared to previous years
- Entrusted to keep records of students' information by using Excel and RFID reader

SKILLS

Languages: Proficient in English and Chinese

Digital Skills: AutoCAD, Electrical AutoCAD, MATLAB, C++, C, Python, Basic Programming

HOBBIES & INTERESTS

Travelling, Basketball, Field Hockey