Lim Sheng Zhe

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EDUCATION

Nanyang Technological University   Aug 2019 - **Jun 2022** (Expected)
- **Bachelor of Engineering (Computer Science)**

Singapore Polytechnic   Apr 2016 - Mar 2019
- **Diploma (Merit) in Electrical and Electronic Engineering;** CGPA: 3.95 / 4.00
- **Director's Honours Roll (2018 / 2019)**
- Specialization: Computer and Communication

ACADEMIC PROJECTS

Nanyang Technological University
Module: CZ3003 – Software systems analysis & Design   Aug 2020 - Dec 2020
Title: *Trackee* **(Team of 8)**
- Developed a cross-platform product aims to help business owners to track and manage the physical locations of multiple contractors or delivery personnel at once
- Involved in Frontend development of web application using REACT
- Drawn various UML diagram and Software Architecture diagram

Module: CZ1015 - Introduction to Data Science and Artificial Intelligence   Feb 2020 - Apr 2020
Title: *Jokes Recommendation System* **(Team of 4)**
- Developed a system to recommend jokes to users with given dataset of user rating of 100 jokes from 73421 users using Python
- Applied Machine learning algorithm (Item to item collaborative filtering) on user rating in project

Singapore Polytechnic
Final Year Project: *Real Timing of Integrated Smart Green Technology* **(Team of 3)**   Jun 2018 – Mar 2019
- Developed a smart monitoring system to capture real-time changes of electric energy consumption in different circuit and send data to Amazon Web Service (AWS) cloud
- Installed and implemented smart monitoring system in Singapore Polytechnic Graduates' Guild (SPGG) in real-time
- Achieved proactive maintenance by easy access to product failure and detect abnormal behaviour and potentially reduce power consumption
- Devised monitoring system and purchased components including assembly of part such as Energy meter, Arduino Mega microcontroller, WIFI module to obtain a working product
- Programmed in Java and build an Android application to display electricity reading data retrieved from AWS.

Module: ET0525 Mobile Applications Development   Feb 2020 - Apr 2020
Project: *Random Task* **(Individual)**
- Developed a fun personal task manager Android application using Java to help user organise and manage daily task
- Implemented various technical aspects such as Accelerometer, JSON Parsing, Text-to-Speech, List view, local SQlite.

Module: ET0721- Client-Server Applications Development   Feb 2020 - Apr 2020
Project: *Restaurant Rating Website* **(Team of 2)**
- Developed a website to help user to search and review on different restaurant in SG
- Designed layout of website using Bootstrap library toolkit, HTML, CSS and JavaScript
- Programmed in php and SQL to retrieve and store restaurant detail in local database

INTERNSHIP

Panasonic R&D Centre Singapore, *Student Intern*   Mar 2018 - Apr 2018

Internship Project: ***Panasonic Deep Learning Face Recognition System***

- Conducted facial image recognition and annotation using facial mapping technique of around 5000 images
- Built train data set for face recognition deep learning model

SKILLS

- **Languages:** Fluent in English, Chinese (Mandarin) and Malay
- **Programming skill:** C Language, Java, Python, MATLAB, Arduino Boards, Verilog, HTML, MySQL
- **Software Applications:** Microsoft Office 2019, AutoCAD, Multisim, LabVIEW, Android Studio, CodeBlock, Cisco packet tracer
- **Others:** Adobe Photoshop (self-learning), Adobe Premiere (self-learning)