#### **EDUCATION**

### Kuala Lumpur

# University of Malaya

• Bachelor of Computer Science in Software Engineering. GPA: 3.56

#### WORK EXPERIENCE

## **Software Developer Intern**

#### Radica Software

Ipoh, Perak

- Most of their application are developed using Javascript, Php and Firebase
- I have been assigned to develop new feature, fixing bugs, writing documentation and testing
- Vecta.io SVG diagramming tool on browser with real time collaboration
- Implement a feature to allow user to draw curvy text by utilizing SVG textpath
- Develop a color palette to make gradient colors on SVG shapes
- Electra cloud Electrical CAD software on browser
- Implement the ladder zone feature. Symbols and wires in a ladder zone gets automatically renamed according to their rung numbers.

## **PROJECTS**

### **OR Menu App**

- https://github.com/dylansalim3/WIX3004\_QR\_Menu\_App
- Users can use this app to create a custom menu, QR code that represents the menu will be generated to be scanned and view the menu
- The frontend is an Android application developed using Java and MVP architecture
- The backend is an Express.js application and data is stored to a MySQL database

### **Igwriter**

- https://github.com/rlgo/igwriter
- It is a web based text editor which allow multiple users to collaborate on the same document together
- Multiple users is connected and synced with each other through P2P with the help of WebRTC data channel
- CRDT algorithm is used to resolve conflict between multiple users document states
- The application is compliant with PWA requirements and hence it can work offline after first launch
- React.js is used for the frontend and Node.js is used for the backend
- The document is stored on both browser local storage and server database

#### **Drone Patrol**

- https://github.com/rlgo/Tello
- Automated drone patrol at multiple checkpoints
- Tello is a mini drone equipped with a camera and can be controlled remotely through WIFI.
- I used the python API provided by Tello and develop a desktop GUI using PySide to interact with the drone.

## **Face Recognition Project**

- https://github.com/dylansalim3/Face-Recognition-Matlab
- It is a simple face recognition application developed using Matlab to extract features from the subject images
- After the neural network is trained, the GUI can be used to select a photo and it will try to match a subject and show the accuracy

#### Skills

- Programming Languages: Java, Javascript/Typescript, Python
- Frameworks and Libraries: Node.js, Express.js, React.js, Android, JavaFX
- Tools: Git, Linux, Docker