

EDUCATION

Kuala Lumpur	University of Malaya	2017-2021
<ul style="list-style-type: none">Bachelor of Computer Science in Software Engineering. GPA: 3.56		

WORK EXPERIENCE

Software Developer Intern	Radica Software	2019-2020
Ipoh, Perak		
<ul style="list-style-type: none">Most of their application are developed using Javascript, Php and FirebaseI have been assigned to develop new feature, fixing bugs, writing documentation and testingVecta.io - SVG diagramming tool on browser with real time collaborationImplement a feature to allow user to draw curvy text by utilizing SVG textpathDevelop a color palette to make gradient colors on SVG shapesElectra cloud - Electrical CAD software on browserImplement the ladder zone feature. Symbols and wires in a ladder zone gets automatically renamed according to their rung numbers.		

PROJECTS

QR 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

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