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FANG WAI NAM

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github.com/rlgo

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

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 neutral 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