

Perak Malaysia  
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# FANG WAI NAM

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github.com/rlgo

## EDUCATION

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<b>Kuala Lumpur</b>	<b>University of Malaya</b>	<b>2017-2021</b>
<ul style="list-style-type: none"><li>Bachelor of Computer Science in Software Engineering. GPA: 3.6</li></ul>		

## WORK EXPERIENCE

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<b>Software Developer Intern</b>	<b>Radica Software</b>	<b>2019-2020</b>
Ipoh, Perak		
<ul style="list-style-type: none"><li><a href="http://radicasoftware.com">http://radicasoftware.com</a></li><li>Most of their applications are developed using Javascript, PHP and Firebase</li><li>I was responsible for developing new features, fixing bugs, writing documentation, and testing.</li><li>Vecta.io - SVG diagramming tool on browser with real time collaboration</li><li>Implemented a feature to allow users to draw curvy text by utilizing SVG textPath</li><li>Developed a color palette to make gradient colors on SVG shapes</li><li>Electra cloud - Electrical CAD software on browser</li><li>Implement the ladder zone feature. Symbols and wires in a ladder zone are automatically renamed according to their rung numbers.</li></ul>		

<b>Mobile Developer</b>	<b>EF Software</b>	<b>2022-2023</b>
Remote		
<ul style="list-style-type: none"><li><a href="https://3soft.com.sg">https://3soft.com.sg</a>   <a href="https://efsoftware.com.sg">https://efsoftware.com.sg</a></li><li>Facilities and staff management software</li><li>I am responsible for developing and maintaining their mobile applications for both Android and iOS platforms</li><li>All of their mobile applications are developed in native technologies which means Java/Kotlin for Android and Swift for iOS</li><li>The applications are designed in offline first architecture, the data is stored locally and sync to the server when the device is connected to the internet</li><li>Several native features, such as NFC/RFID, location services and Bluetooth connectivity are being utilized.</li></ul>		

## PROJECTS

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<b>Igwriter</b>
<ul style="list-style-type: none"><li><a href="https://github.com/rlgo/igwriter">https://github.com/rlgo/igwriter</a></li><li>It is a web-based text editor which allow multiple users to collaborate on the same document together</li><li>Multiple users are connected and synced with each other through P2P with the help of WebRTC data channel</li><li>CRDT algorithm is used to resolve conflict between multiple users document states</li><li>The application is compliant with PWA requirements and hence it can work offline after first launch</li><li>React.js is used for the frontend and Node.js is used for the backend</li><li>The document is stored in both browser local storage and server database</li></ul>

### QR Menu App

- [https://github.com/dylansalim3/WIX3004\\_QR\\_Menu\\_App](https://github.com/dylansalim3/WIX3004_QR_Menu_App)
- Users can use this app to create a custom menu; a QR code representing the menu will be generated for scanning and viewing 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

## SKILLS

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