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BRYAN ZEYAN LIOW

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PROFILE

Recent graduate of Dundalk Institute of Technology in Bachelor of Science (Honours) in Computing. Experienced and possesses a huge passion in web development, app development and IoT technologies. Currently seeking an opportunity to enhance and expand my skills through real world projects.

EDUCATION

Dundalk, Co.Louth   **Dundalk Institute of Technology**   **Sep 2017-June 2021**

- *Degree:* Bachelor of Science (Honours) in Computing
- *Result:* 2.1 Honours Degree
- *Core Subjects:* Object Oriented Programming, Functional Programming, Mobile Development, Web Development, Database Systems, Software Testing, Networking, Mathematics.

EMPLOYMENT HISTORY

Graduate Engineer   **Climote LTD (Hybrid)**   **Oct 2021-Current**

- Working with various projects using PHP frameworks such as Laravel and Yii2.
- Investigate bugs and develop software fixes
- Optimized the user experience of the image upload function of the Hot Water Installation app.
- Researched and developed onboarding screen feature for the new Climote mobile app using Android Studio.
- Participated in assembling Climote hardware products in the production department.
- Created data visualization with Highcharts library.
- Experienced in scraping data using Goutte library.
- Parse raw messages from IoT devices into human-readable data in the server and store it in a database.

Full Stack Developer, Intern   **Flogas Ireland (Hybrid)**   **Mar-May 2020**

- Developed a prototype mobile app using Microsoft Power Apps that provides the employees with information about the types of natural gas products and status of each natural gas tank.
- Participated in digital transformation to improve business processes.
- Troubleshoot, track issues and provide assistance for employees through Flogas IT help desk.

Junior Production Engineer, Intern   **AIM-DEMASUCO**   **Feb-June 2017**

- Performed analysis on existing production methods.
- Trained employees to operate machines and tools under safe conditions.
- Performed maintenance on machines in the production line.
- Participated in the development process to improve the production line.

React Native App

Collaborated with DkIT's Centre for Freshwater and Environmental Studies with a team of 5 members as a front-end and hardware developer to develop a new version of 'Aquality' mobile application using React Native to showcase how mobile application can work with IoT technology. The app allows users to take/review river water samples, display live water data and location of each device using Google Map API.

GitHub: https://github.com/cWenyu/CCCMI

Documentation: https://mahara.dkit.ie/view/view.php?id=84850

PHP Web App

Developed a web scheduling system 'Doctor Book' with a team of 4 members as a full stack developer using HTML/CSS and PHP. The app allows users to request an appointment from a doctor's schedule for an available time slot. Patients can also review their medical records, have a chat with their doctor and describe their purpose of booking an appointment.

SKILLS

Computing Background

- Experienced in designing and building cross-platform app using React Native/ Redux which works with multiple IoT devices.
- Using GitHub as part of a remote team to implement features while maintaining master in a passing test state.
- Participate in UI integration with API and load data using REST API.

Programming Languages: Java, C, C++, HTML, CSS, SQL, JavaScript, PHP, Python, Haskell, R

Electronic Background

- Designed and developed a remote water quality detector based on an Arduino embedded system.
- Experienced in designing and fabricating Printed Circuit Board (PCB) for project prototypes and applications.
- Graduated from electrical and electronic majors during secondary school, have had experience in CAD, SolidWorks, Arduino, electrical and electronic systems.

Languages

- Fluent in English, Chinese, and Malay.

ACHIEVEMENTS AND INTERESTS

- Webmaster of Archery Club (DkIT)
- Member of ACM, regularly attended talks by other guest speakers and other events (DkIT)
- International Student Ambassador from 2017 to 2018 (DkIT)