TAN ZE HAN DYLAN (Maybank Scholar 2021)

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LinkedIn: https://www.linkedin.com/in/tan-ze-han-dylan-upm-03814b20b/

Github: https://github.com/DylanTan9818

Skills: Java, SQL ,Python, TensorFlow, Flutter , Firebase, Vue.js, Flask API

Scope: Mobile App, Web Development, Machine Learning and Data Engineering

Positions: Huawei Seeds For The Future Delegate, GDSC UPM Co-Lead, Maybank Ambassador

WORK EXPERIENCE

Keysight | Penang

Intern Tech 1 Python Developer   (Aug 2022 - October 2022)

- Utilized Javascript to build and design Keysight's Supply Chain website, resulting in a 30% increase in client satisfaction.

- Perform migration of PHP5.6 to PHP 7.4 to improve compatibility and performance, resulting in a 20% increase in application speed and efficiency for SCOE keysight website

- Develop Part Matching Detection system using Levenshtein Algorithm to to automate the verification of part numbers, descriptions, and other product data which results in an increase in product efficiency by 20%.

- Utilized NumPy and SciPy, to perform complex data analysis and signal processing, leading to more accurate measurements and improved product quality by 30%.

Intel Corporation | Penang

MOE Elite Intern Python Developer   (Aug 2023 - October 2023)

- Designed and developed Python automation scripts for Intel's manufacturing and quality control processes such as Peer Review, REV comparison and Fuse Allocation data, resulting in a 40% improvement in work efficiency.

- Automated data analysis and reporting for Mode Select and FCT Generation , providing insights into FPGA product quality that increases the accuracy of obtaining the generated results.

- Collaborated with on-site and remote teams to provide support, training, and documentation for the automation solutions implemented.

EDUCATION AND CERTIFICATION

Universiti Putra Malaysia | Serdang, Selangor
Bachelor of Computer Science(Computer Systems)   October 2020 to August 2024   CGPA 3.920

SMK ST XAVIER | Georgetown, Penang
STPM   May 2018 to December 2019   CGPA 3.92

Microsoft Certified Power Bi Data Analyst Associate (Certification number: D1DC51-8BF474)

ACHIEVEMENTS

CIPTA ICUBE HACKATHON 2022 | **United Kingdom, Malaysia (Champion)** (Tech Stack: Flutter & Firebase)

I-UM Hackathon 2022 | **Universiti Malaya (1st Runner Up)** (Tech Stack: Flutter & Firebase)

UMHackathon 2023 | **Universiti Malaya (1st Runner Up)** (Tech Stack: Vue.js, Python, Flask API)

Hilti ITC 2023 Competition | **Hilti (2nd Runner Up)** (Tech Stack: Arduino, Vue.js, Python, Tensorflow,Flask API, Firebase)

Emobiq Challenge 2023 | **Wilstech Sdn Bhd (Champion)** (Tech Stack: Emobiq Platform)

FINAL YEAR PROJECT

Smart Integrated Building Health Index
- A comprehensive Smart Integrated Building Health Index System to classify building health index by utilizing ESP32 and sensors to collect real-time data such as temperature, humidity, dust particulate, TVOC, carbon dioxide and carbon monoxide concentration, perform machine learning using PyCaret and display on a dashboard developed using Vue.js.