

Timothy Ling Jit Huong

Product Development Engineer 1

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Penang, Malaysia



PROFILE

Currently working with **AMD server systems** under Server Validation Testing team as a graduate trainee Product Development Engineer. Computer Engineering graduate from Universiti Teknologi PETRONAS. Worked on robotics projects involving **Arduino and Raspberry Pi**, computer vision projects using **OpenCV and Python** and **mobile applications** using Google's Flutter Software Development Kit and Firebase Cloud Computing and Development Platform.

EDUCATION BACKGROUND

Bachelor of Computer Engineering - May 2019 - April 2023

Graduate of **Universiti Teknologi PETRONAS**. Final CGPA: **3.64**.

Major in Scalable Computing. Dean's list for May '19, Sep '19, Jan '20, May '20, Jan '21, May '22, Sep '22 and Jan '23.

Foundation in Engineering and Science - March 2018 - February 2019

Student of Universiti Teknologi PETRONAS. Final CGPA: 3.69.

Sijil Pelajaran Malaysia - December 2017

Student of SMK Methodist ACS, Sitiawan. Results: 3 A+, 3 A, 4 A-.

WORK EXPERIENCE

Product Development Engineer - July 2023 (present)

Skills gained: Server hardware, project management.

Worked as a full time graduate trainee at **Advanced Micro Devices Inc.** under Server Validation Testing team. Handled multiple projects including MI300 server products.

- Lead the enablement of MI300 server boards in Penang. Lead the execution of SVT tests for MI300 and other server products. (Ongoing)

Software Engineer - June 2023 - July 2023

Skills gained: C# programming, .NET framework

Worked as a full time software engineer at **Aemulus Corporation Sdn. Bhd.**

- Implemented updates and improvements to existing **C# based projects**.

SOCIAL LINKS



<https://www.linkedin.com/in/timothy-ling-33b941211>



<https://github.com/TimothyLing55>



<https://timothyling55.wixsite.com/portfolio>

SKILLS

Technical Skills

C/C++	Intermediate
Python	Intermediate
Power BI	Intermediate
Excel	Intermediate
Robotics	Basic
C#	Basic
Docker	Basic
Verilog	Basic
Godot	Basic

Internship - September 2021 - April 2022 (7 months)

Skills gained: Microsoft Excel and Power BI, Power Point, chairing meetings, time management

Internship at **Robert Bosch Power Tools Sdn. Bhd.**, Penang. Department handles production key performance indicator (KPI) tracking of plants worldwide.

- Improved existing department systems, organised meetings with plant managers worldwide and created solutions for KPI tracking using Power BI for automated KPI tracking.

MAJOR PROJECTS

MI300 Server Penang Bring Up - February 2024 (Ongoing)

Position: board enablement lead, execution lead

Skills gained: **Project management, Python, board handling, Ubuntu stress test execution**

- Lead in the bring up of MI300 server for Functional Validation Department. Ensured the board is able to perform necessary tasks for multiple departments by validating the functionality of multiple stress tests and unit checking on the board.

Final Year Project - September 2022 - April 2023 (7 months)

Project Title: Stereo image calibration for size measurement

Skills gained: **OpenCV, Stereo Vision, Python**

- The stereo imaging system is a system designed to measure the distance and size of objects based on stereo images using OpenCV and Python.

KPI Tracking Power BI - December 2021 - April 2022

Position: project lead, dashboard lead developer

Skills gained: **Microsoft Power BI, Excel, MES database handling**

- Used Power BI to create a dashboard that will automatically calculate and show the manufacturing KPI that updates daily.

Engineering Team Project - January 2021 - April 2021 (3 months)

Position: Project leader, lead app programmer

Skills gained: **Flutter, Firebase, mobile app development, team management**

- SmartShop is a digital attendance booking mobile application developed using Flutter and Firebase to help people better practice social distancing.
- Functions include user registration, user sign up, time and venue booking and digital ticket generation.

Language Skills

English	Fluent
Malay	Good command
Chinese	Good command

CLUBS AND SOCIETY

UTP Petrobots Club - May 2019 - August 2021

Position: Committee (2019),
Head of Control Department
(2020 - 2021)

CERTIFICATES

Discovering Godot: Make Video Games in Python-like GDScript - Issued Feb 2023 by Udemey

Advanced Python Programming: Automation, Threading and Packaging - Issued by Dream Catcher Consulting Sdn. Bhd.

Docker Essentials - Issued by Dream Catcher Consulting Sdn. Bhd.

REFEREE

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