Contact

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Top Skills

Information Technology
Robotics
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Faris Rosly

Currently an Intern with Intel Corporation | Embedded/Operating Systems & AI Enthusiast | Bachelor of Computer Engineering (Graduate Jan 2023) @UTP
Johor Bahru

Summary

A Tech Enthusiast who is passionate about studying computer systems inside-out and solving problems.
Just finished my 3rd year (out of 4) Computer Engineering Undergraduate Program and Currently a Custom IP Verification Intern at Intel. Other than HW/SW Design, I conduct performance analysis on systems under specific applications (First publication coming soon!).

Other than that, I enjoy Chess on a good day and a competitive swimmer.

Feel free to connect!

Experience

Intel Corporation
Custom IP Verification Engineer
May 2021 - Present (8 months)
Bayan Lepas, Penang, Malaysia

Universiti Teknologi PETRONAS
Computer Engineering Student
January 2018 - Present (4 years)
Perak, Malaysia

Self-Employed
Python/Java Developer (Freelance)
January 2019 - May 2021 (2 years 5 months)
Perak, Malaysia

Crest
TGL Summer Workshop 2020 by CREST

August 2020 - August 2020 (1 month)

An AI/Machine Learning Hackathon organized by CREST. Workshops were given by various companies. Interesting take of Machine Learning and Automation Systems given by Dyson, Vitrox, UST Global, etc. Problem Statment given for the hackathon was Smart Manufacturing Systems.

Solution pitched were to check the lifetime of PCB test probes. The solution was niched to the semiconductor testing industry.

Won 1st place of the track (problem statement) given. Given opportunity to pitch for project funding by the same organization.

Universiti Malaya

1 month

Malaya Makerthon 2020

March 2020 - March 2020 (1 month)

Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia

The hackathon's problem statements were mainly on global issues. The problem selected was social, regarding the health and inconvenience on the elderly society.

The solution implemented was specially for bed-ridden seniors. In order to avoid bedsores (pressure ulcers) on the person, pressure and movement sensors are to be installed on beds and a warning text message via WhatsApp and Telegram will be sent to the caretaker if the sensor has no change (meaning bed-ridden person has not moved for a few hours).

The bed-ridden solution was also seen to implement a component where the waste product of the bed-ridden senior is detected, a smart diaper was made where the diaper has a low-powered moist sensor where a warning message will be sent to the caretaker's phone (via WhatsApp and Telegram)

Out of 60 teams participated, earned top 15

IUM Disrupt Hackathon 2020

March 2020 - March 2020 (1 month)

Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia

Participated IUM-Disrupt 2020. The Theme selected was smart transportation.

Pitched solution was a parcel business where packages are transported to the recipient by other people that are travelling from origin parcel country to the recipient's destination.

The proposed plan were critical on current transportation problems. Parcel's are to arrive on the time given with no delays and tracking of parcel is provided plus insurance.

1st pitched was success thus qualified for final pitch. However made it to top 5.

Brainiacs UTP

Brainiacs Neuro-Controlled Drone
January 2020 - March 2020 (3 months)

Part of a team with postgrad researchers to develop an aerial drone controlled by brain signals.

Was attached to software dept, developing an API for the drone before project was halted due to initiation of MCO and lack of facility

Asia Pacific University of Technology and Innovation (APU / APIIT)

Battle of Hackers CTF 2019
October 2019 - October 2019 (1 month)
Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia

Finalist for cybersecurity CTF Battle of Hackers at APU, had 6 hours to penetrate file systems via reverse engineering, binary exploitation, forensics, etc

Earned top 8

UTP PETROBOTS Junior Challenge collaboration with STEM-UP UTP 2019

Project Director
April 2019 - October 2019 (7 months)
Perak, Malaysia

PETROBOTS Junior Challenge 2.0 was a robotics competition and workshop between secondary schools all around Perak. The event was held at Universiti Teknologi Petronas and lasted for 4 days between 1 - 28 Sept.

The objective of the event was expose secondary students to the field of Science and engineering by hosting a workshop on the fundamentals of

programming, electronics and chasis building in which they are expected to design and build a working prototype amphibious robot.

The competition is where the aforementioned prototypes will be tested on an obstacle course where it challenges all aspects robot design (eg. strength, efficiency, performance, etc).

The event was a success as more than 120 students participated and received positive feedbacks from participants.

Robocon

Robocon Malaysia 2019

January 2019 - April 2019 (4 months)

University-level Robotics copetition held at UNITEN which is to plan manufacture 2 robots and race to the finish line with the baton.

Developed an electronic system for spider robot with 6 legs and 3 servos each leg to control each axis.

Obtained top 16 among all Malaysian Universities

Education

Universiti Teknologi PETRONAS

Bachelor of Computer Engineering, Computer Engineering · (2019 - 2023)

High School

· (2014 - 2016)