

TEOH LYNN JING

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I am a Computer Engineering graduate from Universiti Teknologi PETRONAS. I always equip myself with technical skills needed such as programming and data processing. I am also a team player with soft skills such as critical thinking, problem solving, willing to learn and many more which can be observed through my projects and experiences. I am currently looking for entry level job.

MATLAB | C | R | C++ | PIC 18 | Java | Python | Microsoft Office

EDUCATION BACKGROUND

Bachelor's Degree

Universiti Teknologi PETRONAS (UTP)

Computer Engineering

09 / 2018 – 09 / 2022

- CGPA: 3.61
- 10 times Dean's List Holder.

Foundation

Universiti Teknologi PETRONAS (UTP)

Computer Engineering

07 / 2017 – 07 / 2018

- CGPA: 3.59
- 2 times Dean's List Holder throughout foundation studies.

WORKING EXPERIENCE

Platform Application Trainee Engineer

Intel Microelectronics (M) Sdn. Bhd, Penang

Achievements

01 / 2021 – 08 / 2021

- Developed algorithms for Best Known Method (BKM) Reader and Table of Content Extractor.
- Successfully crawl useful information from PDF format and PowerPoint format files.

ENGINEERING PROJECTS

Merchandise Recognition

- Improve the current barcode-based merchandise tracking system by utilizing machine learning approach.
- Collect and analyze image data captured from distinct angles and different directions.
- Successfully recognize 10 merchandises in real time through the implementation of You Only Look Once (YOLOv5) algorithm with a high precision and recall.

PiezoElectric Smart Sensor (PESS)

- Join a group of 4 engineering students to improve the current streetlight system by utilizing piezoelectric generator as power source together with PIR motion sensor and light sensor to save energy.
- Successfully simulate a streetlight system that is 47.5% more efficient than the conventional streetlight system using Fritzing and TinkerCAD.

Visualization and Analytics of Large Data Series Using R

- Analyze data generated by 28 machines and filter out relevant data.
- Successfully obtained and visualized useful data through the implementation of R libraries such as ggplot and lattice.

Pinball Machine Using PIC 18

- Clone a pinball machine to learn the working of PIC 18 microcontroller.
- Successfully build a workable pinball machine clone with PIC 18, ultrasonic sensor, touch sensor and force sensor.

Simulation of Amplifier Circuit Using Multisim

- Simulation of amplifier circuit in Multisim based on the parameters specified.
- Successfully build the simulation circuit in Multisim.

CLUBS, SOCIETIES AND VOLUNTEERING EXPERIENCES

Volunteer, IEEE International Symposium On Robotics and Manufacturing Automation (ROMA)

- Involved in venue and hybrid platform setup.

Student Member, Institute of Electrical and Electronics Engineers (IEEE) UTP Student Branch

- Successfully organize robotic competition for more than 20 participating teams.

Member, UTP Taekwondo Club

- Participate in weekly training with other club members.
- Observe grading examination and plan activities with other club members.

Member, Petrobots (Robotic Club)

- Involve in various Arduino workshop to learn basic skills of Arduino Uno board.
- Participate in Arduino remote-control robot racing competition using Bluetooth module.

Member of Activity and Management Department, WebX UTP Online Web Development Course (Community Engagement Project)

- Join a team of 20 students and worked closely to provide free online web development course.
- Successfully receive more than 150 participations with 100% positive feedback.

Member of Decoration Department, Children Provision Charity Night

- Work closely with 10 undergraduate students to make decoration items for the charity event.
- Successfully raised RM 10,000 for 5 charity homes in Perak through collection of donations, petting zoo, and grand dinner event.

Assistant Head of Ceremony and Protocol Department, IEEE International Advanced Robotic Competition (iARC)

- Guide and supervise 10 undergraduate engineering students to ensure smooth event flow during the competition.
- Successfully host a robotic competition with more than 20 participation teams.

AWARDS AND RECOGNITIONS

Dean's List Holder | University

- 2 times Dean's List holder in foundation studies.
- 5 times Dean's List holder in bachelor's degree studies.

Engineering Team Project | University

- Awarded grade A for the Engineering Team Project (ETP) with project title PiezoElectric Smart Sensor (PESS).