



Kenneth Chong Yih Haur

Chemical Engineering Undergraduate

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Education

Universiti Teknologi PETRONAS (UTP) 2020 – Present
Bachelor of Engineering (Hons) Chemical Engineering CGPA: 3.72
• Expected to graduate in August 2024.

Universiti Teknologi PETRONAS (UTP) 2019–2020
Foundation in Engineering and Geoscience CGPA: 3.85
• Completed foundation studies in August 2020 with Dean List's Award.

Technical Projects

Engineering Team Project (ETP)

MediPack – Medicine Machine May–Sep 2022
• Successfully constructed a medicine machine with RFID based, connected with medicine dispenser mechanism by applying advanced robotics, circuitry, mechanical and programming knowledge.
• Medicine Machine are able to store up to 10 different common medicines, and obtain the medicine needs by tapping the patient card into the RFID sensors, with 1–2 minutes of duration.

ChemE Cube Project: Coconut Shell Activated Carbon

Jun–Aug 2022

- Successfully produced granular activate carbon sample with coconut shell as precursor, and impregnated with CaCl_2 and ZnCl_2 respectively, and determined surface range using N_2 adsorption isotherm method.
- Granular activation carbon was used in the adsorption unit, UTP ChemE Cube (water purification cube) for oocyst, virus and chlorine removal, up to 99.9%.

Leadership Experiences

UTP PETROBOTS (UTP Robotics Club)



President Jun 2022 – Present
• Delivered Arduino Workshop and successfully inspired 25 club members and 7 secondary school teachers in Arduino C++ programming.
• Secured "Second Tier" and awarded RM500 in UTP Club Tiering System.

Vice President Jan 2022 – May 2022
• Executed UTP ROBOCON Team to participate in ROBOCON 2022, and successfully constructed 2 robots, R1 and R2 with ball shooting, reloading, and piling mechanism.
• Designed and creation of robotics processes to perform a wide range of tasks such as data analytics and machine learning.
• Spearheaded in technical team of the clubs and successfully created 3 robotics modules for workshops.

The Institution of Engineers, Malaysia, UTP Student Chapter



Vice President Apr 2022 – Present
• Spearheaded in the Event Management and Logistics Department comprises of 15 committee members and successfully planned 4 major events for next semesters.

Assistant Head, Event Management Department Apr 2021 – Mar 2022
• Monitored and supervised 9 event documents required in the club.
• Provided strategies, planning and execution for 7 events in the club.
• Incharge of approving event proposals and other related documents in the department.

Project Director, IEM–UTP–SC Women Leadership Summit Apr 2021 – Jun 2021
• Led the cross-functional team effort to establish 2 sharing session and a forum session with 4 female experts in different engineering field to serve as role models and leaders in the field of engineering.
• Motivated 50 young female students to take part in engineering field.
• Connected and engaged with 4 expert female engineers and leaders.

Skills

Technical: Microsoft Excel, Microsoft PowerPoint, Microsoft Power BI, Procreate, Arduino C++, Python, Aspen HYSYS, Symmetry, Altair Inspire, Shapr3D, AutoCAD, Fusion360, Adobe Photoshop, Adobe After Effect, Figma, Data Analytics, Interpersonal Skills, Machine Learning, Leadership Skills, Robotics.

Language: Native Chinese, Proficient English, Proficient Malay, Conversational Japanese.

Interests: Chinese Calligraphy, Graphic Design, Video Editing.

Volunteerism

Speaker, UTP Telkom Cross Culture Programme

- Inspired the interest in Chinese Calligraphy to Telkom University Students in Indonesia.

Jedi, Jedi Session for Young Innovative Challenge 2021

- Evaluated and guided 4 innovation teams for the refinery of their projects in competition.

Summary

Recipient of PETRONAS Education Sponsorship Programme (PESP) 2019 actively pursuing Bachelor of Chemical Engineering with Honours in Universiti Teknologi PETRONAS, Bandar Seri Iskandar, Perak. Passionate in process engineering with strong fundamental background and key exposure in 1 Engineering Team Project completed in 2022. Strong leadership and communication skills with active participation in various extra-curricular activities, holding several top management positions in 2 professional clubs whilst maintaining high CGPA. Currently seeking 6–8 months internship placement as Process Engineer Trainee from January 2023–August 2023.

Achievement

Dean List's Award

Every semester starting from September 2020.

Champion

Entrepreneurial, Environment & Development Competition 2021

3rd Place

2th China–Malaysia Youth Innovation and Entrepreneurship Competition 2021

Top 10 Finalist

ChemE Cube Competition 2022

14th Place

Malaysia ROBOCON Competition 2022

References

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