

HUA CHEE KEONG

Project Engineer/ Chemical Engineering Graduate

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SUMMARY

Chemical Engineering graduate with experience as a Project Engineer, supporting M&E works and structured cabling. Contributed to on-site execution and project coordination, with additional exposure to manufacturing processes and environmental management through internship training. Holds certifications in construction safety practices and holds Graduate Engineer status with BEM. Actively seeking opportunities in chemical engineering or related fields, with full readiness to relocate.

EDUCATION

Bachelor of Chemical Engineering (Hons.) 2020 - 2024

Xiamen University Malaysia

CGPA: 3.23

Foundation in Science - Physical Science 2019 - 2020

Xiamen University Malaysia

CGPA: 3.60

WORK EXPERIENCE

Project Engineer Jun 2025 - Mar 2026

Point Ace Construction Sdn Bhd, Negeri Sembilan, Malaysia

Scope: Service Scope: Construction project management and coordination

- Managed and supervised daily site operations to ensure project progress aligns with timeline and specifications.
- Coordinated with contractors, subcontractors, and suppliers to ensure smooth workflow and material delivery.
- Monitored project schedules, progress, and budgets to ensure timely and cost-effective completion.
- Conducted site inspections to ensure compliance with technical drawings, safety standards, and quality requirements.
- Prepared and reviewed technical documents, reports, and project progress updates.
- Assisted in planning and execution of construction works, including resource allocation and manpower planning.
- Ensured adherence to safety regulations and implemented corrective actions when necessary.

Project Engineer Jul 2024 - May 2025

Express 21 Pte. Ltd., Singapore

Scope: Service Scope: M&E Services, Data Center Solutions, Structured Cabling

- Led electricians in installing and maintaining cabling systems for data centres and commercial buildings.
- Coordinated with clients and main contractors through site meetings to ensure alignment with project plans.
- Scheduled manpower, monitored material usage and availability, and supervised site activities for safety and quality compliance.
- Prepared shop drawings, as-built drawings, O&M manuals, and submitted samples for approval.
- Tracked project progress, identified risks, and submitted daily and weekly updates to the Project Manager.
- Conducted toolbox briefings, enforced site safety, and performed inspections aligned with risk assessments.

Intern Jan 2023 - Mar 2023

Careplus Group Berhad, Negeri Sembilan, Malaysia

Scope: Production & Wastewater Treatment Departments

- Assisted in material selection for latex, nitrile, and surgical glove production.
- Performed daily pH checks to maintain optimal manufacturing conditions and product quality.
- Carried out quality control tasks, including glove size measurement and durability testing.
- Collected production samples, calculated flow rates, and recorded data for process monitoring and analysis.

ACADEMIC PROJECTS

Final Year Project

Title: Optimization of Integrated Energy Systems for Decarbonizing Transportation in an Eco Township

- Developed IES model to reduce transport emissions using solar, wind, and energy storage.
- Simulated electric and hydrogen systems, applied linear programming and genetic algorithms for cost and energy optimization.
- Proposed infrastructure plans and policies based on lifecycle and techno-economic assessments.

Capstone Project

Title: Production of Synthetic Latex from Crude Palm Oil via Bio-Naptha Route

- Designed a sustainable latex production process using crude palm oil via the bio-naptha route.
- Evaluated catalytic conversion methods and simulated the process using Aspen HYSYS and ChemCAD.
- Proposed scalable and eco-friendly alternatives to reduce fossil fuel reliance in latex manufacturing.

SKILLS

- **Software:** Google Drive, MS Word, MS Excel, Material Studio, Lingo Software (Advanced); AutoCAD (Basic)
- **Interpersonal:** Leadership, Communication, Time Management, Problem Solving, Independent, Teamwork Analytical Thinking, Collaboration
- **Language:** Mandarin, English, Cantonese, Hakka (Native); Malay (Fluent); Thai (Conversational)

LICENSES & CERTIFICATIONS

Certificate of Registration of Graduate Engineer **2025**
• *Issued by: Board of Engineers Malaysia*

Workplace Safety and Health Management in Construction Industry **2024**
• *Issued by: SkillsFuture Singapore Agency*

Manage Work At Height **2024**
• *Issued by: SkillsFuture Singapore Agency*

Student Member **2022**
• *Issued by: Institution of Engineers Malaysia*

INVOLVEMENTS

- **Badminton Club - Member** **2019 - 2023**
- **Taman Segar Yee Lan Charity Event - Volunteer** **2019 - 2023**
- **Swimming Club - Member** **2019 - 2020**

ACHIEVEMENTS

- **30% Merit Scholarship Recipient, Xiamen University Malaysia** **2019**
- **Silver Medal, International Youth Robotic Competition (IYRC)** **2017**

REFERENCES

KENNARD LAU

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