

# NAWAT KAWKEEREE

Email: [nawat.kawkeeree@u.nus.edu](mailto:nawat.kawkeeree@u.nus.edu) Mobile: +65 91769248 Website: <http://nawatkaw.me/Resume/>

## EDUCATION

### National University of Singapore (NUS)

Aug 2018 - Present

- Bachelor of Engineering in Chemical Engineering, Honours
- Current Cumulative Average Point (CAP): 4.32/5.00
- Expected Date of Graduation: May 2022
- Relevant Modules: Programming Methodology; Process Safety, Health and Environment; Process Engineering for Gas/LNG and Pharmaceutical Industries; Process Dynamics & Control; Process Modelling and Numerical Solutions

## WORK EXPERIENCE

### Process Safety Engineer Intern, Total Process System, Singapore

Dec 2020 – Jan 2021

- Designed a Microsoft Excel database containing 45 gases and respective gas density calculation under normal operating conditions to improve usability by 80% for company when doing further calculation
- Improved 3 conversion tables using Microsoft Excel to effectively standardize units for simple further calculations and increase efficiency by 70%
- Designed a sprinkler system involving 26 sprinklers in an industrial area, under my supervisor's supervision

### Team Member, International Society for Pharmaceutical Engineering (ISPE) Hackathon Singapore

Oct 2020

- Won First Place for the Hackathon Competition analysing current risks of a pharmaceutical company's paper-based record system and suggesting cost effective digitalized data recording solutions to ensure Pharma 4.0
- Analysed risks in paper-based records systems of a company using Failure Mode Effect Analysis (FMEA) to advise new solutions of data recording
- Recommended a short term and a long-term solution in digitalizing data recording systems of a company to improve accuracy and sustain company products' quality

### Digital Marketing Strategy Intern, Huat Hoe Machinery & Trading Pte. Ltd, Singapore

Jun 2020 - Aug 2020

- Transformed 5 instruction manuals and brochures for various products such as centrifugal pumps, and high-pressure washer using Adobe Photoshop and Illustrator to successfully improve knowledge on uses of company's products
- Partnered with external E-commerce Web Developer in building company's website to effectively increase company's sales by 70%
- Completed 3 product descriptions of each products in company namely high-pressure washer, air compressor, and electric submersible pump

### Laboratory Technician, Precision Coating Logistics Pte. Ltd, Thailand

Dec 2017 - Jul 2018

- Optimised electroplating process for different products to ensure adhere to company's guideline of products' quality
- Executed daily chemical analysis and reports to successfully maintain products and electroplating solutions quality

## EXTRA-CURRICULAR ACTIVITIES

### Administrative Member, CAPT Support, College of Alice & Peter Tan (CAPT)

Aug 2020 - Present

- Accomplished 1 campaign in raising awareness of 90 residents on self-care by creating various activities and initiatives for residence to relax from academics such as organizing movie night for whole college
- Collaborated with 5 other members to conduct a college wide survey across 600 residents to ask on mental wellbeing and mental health in semester

### Neighbourhood Head, CAPT, Phoenix Neighbourhood House Committee

Apr 2019 - Aug 2020

- Headed a committee of 11 members across academic year in planning enrichment platforms and initiatives for bonding among 120 residences in neighbourhood, and fostering camaraderie among freshmen and seniors
- Coordinated with freshman orientation organizing committees to recruit and vet through competent orientation group leaders for events to be put in charge of freshmen

## ADDITIONAL INFORMATION

- Fluent in English, Thai, and Chinese (both spoken and written)
- Proficient in MATLAB, Microsoft Office Suite, and intermediate knowledge of C, Python, and Tableau
- Pursues personal development by listening to "Super Productive" podcasts