

EDUCATION

Nanyang Technological University, Singapore

Bachelor of Engineering (Chemical and Biomedical Engineering) with second major in Food Science and Technology

Aug 2021 – May 2025

- Expected Honours (Distinction), Cumulative GPA: 4.37/5.00

Saint Andrews Junior College, Singapore

Science Stream Student

Feb 2017 – Dec 2018

- Awarded the Jacob Ballas Distinction Award for achieving 4As during the 2018 A level examination

SKILLS

- | | |
|-----------------------|-------------------------|
| • MS Excel | • Python |
| • SQL | • HTML & CSS |
| • SEEQ Data Analytics | • PROII Simulation Tool |

INTERNSHIP

ExxonMobil Asia Pacific

Process Engineering Intern

Jan 2024 – July 2024

- Utilized data analysis techniques to identify optimization opportunities and conducted test runs on the Reformate Splitter Unit, resulting in a credit gain of \$75k USD per month
- Developed and implemented an Excel VBA automation tool to for data summarization, saving 3 hours of manual work weekly
- Developed training slides and dashboards for critical process monitoring parameters to support Hydrogen Plant start up, saving 5 hours of manual work monthly

Oneject, Jakarta

Supply Chain Intern

July 2023 – Aug 2023

- Collaborated with a team to develop an innovative system aimed at addressing fluctuating demand challenges
- Utilized data analysis techniques to identify demand patterns based on different categories of customers, enabling data-driven decisions for dynamic pricing to be made
- Implemented demand-driven inventory replenishment process to decrease supply chain reaction time, putting less strain on production schedules

WORK EXPERIENCES

Ignite Tuition Centre, Singapore

Tuition Tutor

Jan 2022 – Oct 2022

- Directed learning to 3 tutees ranging from primary school to secondary school, resulting in a 1-grade jump for each tutee
- Sourced and researched questions and teaching techniques, allowing for customized lesson plans to maximize each tutee's capabilities
- Initiated idea of using QR code to track tutor's attendance, resulting in a 20% decrease in late coming for tutors

CO-CURRICULAR ACTIVITIES

Food Science and Technology Club

Welfare Director

Aug 2022 – May 2023

- Designed and formulated each semester's exam welfare pack by collaborating with external stakeholders, result in 85% satisfactory rating
- Led a committee of 10 members to warrant smooth running of club
- Initiated idea of survey form to allow for feedback, result in 30% increase in data collection

Soap Making Club***Logistic Director****Aug 2022 – May 2023*

- Conducted workshops for 12 undergraduates for formation of personalized soap bars
- Supported documentation efforts through photography to enhance engagement and interaction with the student population
- Conceptualized method to efficiently clean used beakers, result in a 50% decrease in washing time

OTHER EXPERIENCES

Singapore Armed Forces***Infantry Officer / Platoon Commander****Apr 2019 – Feb 2021*

- Established security at Woodlands Firework site during NDP 2020, result in 0 security breach during NDP
- Spearheaded packing of 1000000 fun packs during NDP 2020 by conceiving efficient packing method, result in completion 2 weeks before supposed dateline
- Selected to enter prestigious courses: Basic Coaching and Facilitation, Company Tactics Course, Advanced Infantry Officer Course

CERTIFICATIONS

- Google: Data Analytics Specialization *July 2023*
- IBM Data Analytics Specialization *July 2023*