

EDUCATION

Nanyang Technological University, Singapore

Aug 2015 – May 2019

Bachelor of Engineering (Mechanical Engineering) with a Second Major in Business

- Dean's List for Semester 1, Academic Year 2017/2018
- Expected Honours (Distinction), Current CGPA: 4.30/5.00

University of Copenhagen

Sep 2017 – Dec 2017

Student Exchange Programme

- Gained new perspectives and insights into European Union economic issues through discussions in class

ACADEMIC PROJECT

Nanyang Technological University, Singapore

Aug 2018 – May 2019

Final Year Project – Design a system for repositioning of bikes in a bike-sharing system

- Developed a profit-maximization system to rebalance bikes efficiently for bike operators
- Optimised the total number of bikes per station and attained an increase of 15% profit margin
- Validated results from Newsvendor model using Monte Carlo simulation with 2,000 iterations

INTERNSHIP EXPERIENCE

Total Utility Pte Ltd

Jan 2018 – Jun 2018

Operations Processes Department, Intern

- Worked closely with 3 contracted engineers from YY Technologies to improve and optimise operations of the Biogas Engine and Thermal Hydrolysis Plant by 20%
- Facilitated in the maintenance and operation of 3 Biogas Engines and 1 Thermal Hydrolysis Plant
- Assisted the development of the 5th Biogas Engine by gathering relevant information to prevent previous issues of the Biogas Engines

WORK EXPERIENCE

The ABC Bank Limited

May 2017 – Aug 2017

Sales & Operations Assistant

- Implemented checking criteria for predicting user behaviour to automate checking process, resulting in a decrease of 5% in fraudulent transactions in Thailand market
- Analysed regional sales accounts across 5 countries in Asia Pacific and translated data gathered into insights using data visualisation tool Tableau
- Identified key growth areas and presented insights to Sales Director to craft 3 new countries' market entry strategies

CO-CURRICULAR ACTIVITIES

Engineering Club

Jan 2017 – Jun 2017

Vice President

- Managed 3 major fundraising events, secured a total of \$10,000 worth of funds through creating awareness of events on Social Media and reaching out to halls and student community
- Oversaw publicity efforts and developed outreach strategies to deliver consistent message across various platforms reaching a breakthrough 20% increase of new club members

Freshmen Orientation Camp

Jun 2016 – Aug 2016

Programmes Committee Member

- Planned games and camp activities for 200 freshmen to encourage interaction and bonding
- Trained 30 camp volunteers on facilitation skills during a half day workshop to enhance ability to carry out camp activities safely

SKILLS

Languages: Proficient in English and Chinese, conversant in German

Digital Skills: AutoCAD, MATLAB, C++, Excel Visual Basic, Tableau, Photoshop, Microsoft Office

HOBBIES & INTERESTS

Travelling, Playing musical instruments (Guitar and Piano), Sports (Basketball)