



# SHERLYN HEE

CHEMICAL ENGINEERING  
PETRONAS SCHOLAR  
(AGE: 22)

## CONTACT

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## LANGUAGE

ENGLISH	Good
MALAY	Good
MANDARIN	Fair
HOKKIEN	Spoken

## SKILLS

Analytical Skills  
Leadership  
Adaptability  
Teamwork

## HOBBIES

Badminton	Bowling
Travelling	Music



## ABOUT ME

**1st Class Engineering Undergraduate** with strong academic passion in chemical engineering while having relevant programming and designing skills. Able to perform effective multitasking, willing to go the extra mile to ensure task completion and robust in analytical skills. Keen in leading group projects while having constructive time management.

**Duration of Internship: May 2020 - Dec 2020**



## EDUCATION & KEY COMPETENCIES

> **BACHELOR OF ENGINEERING (HONS)** 2016 - Present  
**CHEMICAL ENGINEERING | UNIVERSITI TEKNOLOGI PETRONAS**

**CGPA: 3.97**

Organic Chemistry	Separation Process
Analytical Chemistry	Reaction Engineering
Thermodynamics	Process Instrumentation & Control
Process Heat Transfer	Process Plant Design
Material Science & Engineering	Environmental Engineering
Transport Phenomena	Process Safety & Loss Prevention

> **SPM | SMK TAMAN DESA 2** 2011 - 2015

**Grade: 8A+ 1A**



## EXPERIENCE

> **ELECTION CENTRE CLERK | SK TAMAN DESA** 2019

Handled the distribution of election papers, receiving voters and submission of votes.

> **SHOP ASSISTANT | PHOTOSQUARE, PENANG** 2018 - 2019

Assisted in serving customers, processing sales transactions, monitoring customers' activities, restocking shelves and cleaning duties.

> **TUTOR** 2015 - 2016

Gave tuition classes for primary English and Maths. Reviewed the student's class materials and assisted in working on the solutions while informing the parents of their child's progress.



## SOFTWARE SKILLS

MATLAB & SIMULINK

ASPEN HYSYS

iCON

COMSOL MULTIPHYSICS

MICROSOFT OFFICE

[Word, Excel, PowerPoint]

ADOBE ILLUSTRATOR

FILMORA

## REFEREES

**Dr. Muhammad Roil Bilad**

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## EXTRACURRICULAR INVOLVEMENT

### > VOLUNTEER, HEAD OF PROMOTION & PUBLICATION DEPT WE CARE 4U LOMBOK PROJECT 2019

Lead a team of 4 members to prepare promotional materials such as posters, banners and videos that met the standard requirements. Distributed tasks according to each member's strengths and guided them by constructive criticisms periodically. Concurrently, held Science and English camps while working on installing water filter systems around the school.

### > SECRETARY ACEFOS, Ambassadors of Center of Foundation Studies 2017

Handled the reports and proposals of activities held by the club, prepared minutes of meetings and took part actively in event management. Successfully organized sport competitions to promote student welfare.

### > COMMITTEE OF TECHNICAL AND DESIGN DEPARTMENT Children Provision Charity Event 2017

Designed backdrops for presentations, posters, timeline and fixed nametags for the committees within the given dateline as well as being assigned as the photographer on the event day.



## RECOGNITION & AWARDS

### > DEAN'S LIST AWARD 2017 - 2019

Awarded the Dean's List for 6 consecutive semesters.

### > NACES TECHNICAL VIDEO COMPETITION - 2<sup>nd</sup> PLACE 2019

Awarded for the technical video titled 'Methanotrophs: Optimizing Methane Through Industrial Ecology' in accordance to the theme 'Infinity Loop: Breaking the Paradigm Through Resource Optimization' for the National Chemical Engineering Symposium 2019.

### > GREEN BUSINESS CHALLENGE ESSAY COMPETITION - 2<sup>nd</sup> PLACE 2018

Awarded for the essay competition commemorating Climate Diplomacy Day in a collaboration between UTP Go Green Movement and the European Union with the theme 'Business Case for Fighting Climate Change'.



## PROJECTS

### > ADIOS BASURA ENGINEERING TEAM PROJECT & SEDEX EXHIBITION 2019

Worked as a team of 5 from various departments to develop a solar-powered seabin that collects floating trash at marinas and ports. Volunteered to lead in group discussions and emphasized on critical thinking of each selection criteria to achieve the goal.

### > IChep, Integrated Design Project Core Course Project 2017

Evaluated an ethyl benzene production plant while considering its processes, equipment, piping specifications, energy requirements and materials used.

### > ChemECar IChemE Student Chapter 2017

Designed a fully chemically powered toy car by considering its power source, stopping mechanism and chassis.