



## MECHANICAL ENGINEER

**BRYAN CHUA SECK HOW**

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Mechanical engineer with profound business acumen with a great track records in technopreneurship • Self-driven, proactive and outspoken • Comfortable in a challenging work environment that pushed my capabilities to the limit • A team-player and a people oriented leader • In search for a conducive work environment that will help me grow as an individual and my career.

Spoken and Written Language : English , Malay , Chinese ( Mandarin and Cantonese )

**Experiences****Leadership****2013 St.John Ambulance - Grand Prior Award**

Serviced 200 hours in public duties and awarded the rank of Sargent. Proud recipient of the Grand Prior Award

**2017 Vice President of Finance and Legalities of AIESEC**

A youth-tun leadership organization where I got the chance to participate in the Malaysian Youth Leadership Development Seminar (MyLDS), and hosted an array of exchange participants from multiple countries in several socially impactful projects in Johor during as the Vice President of Finance and Legalities.

**2017 Wings for Life World Run**

Hosted a world-wide app run in Johor in partnership with Redbull aimed at funding Spinal Cord Injury Research.

**2019 Young Southeast Asian Leaders Initiative (YSEALI) Bootcamp**

Pitched and executed an initiative to help local start-ups to retain talents in Malaysia and prevent brain leeching.

**Entrepreneurship****2018 IPSMART- Start-Up Weekend Johor - Grand Prize**

"Eco-Points", the recycling app, a business model that was chosen as the grand prize winner.

**2018 Nescafe Youth Entrepreneurship Programme - 3rd Place**

Working as the team leader among 11 of my teammates, we operated a Nescafe kiosk where the main focus was market penetration and systems implementation of the new franchise in the University. Our university won 3rd place among 12 other participating universities in this entrepreneurship challenge.

**2018 Global Start-Up Training Programme (GSTP) by MTDC**

One of four selected delegates to participate in the GSTP Programme in Daegu, South Korea for two weeks to exchange and understand the start-up scenes both in Malaysia and South Korea.

**Innovation****2018 INATEX - Johor - Gold Medal Award & First Place**

In this project, me and a team of 30 students created a working solar battery powered scooter together that comes together with a companion app for the use of UTM students.

**2018 MTDC Robotics Challenge**

"Koral" : An Autonomous Fish Trap Project among 5 other selected innovation and the only undergraduate team selected to participate in the MTDC Robotics Accelerator Programme.

**2018 Unimaker - National 2nd Runner Up**

After winning 1st runner up in the regionals Unimaker, the "Koral" Project won 2nd runner up in the national innovation competition amongst other 20 participations.

**Skills****Python**

Experienced in Machine Learning algorithms for data analytics and created a deep reinforcement learning model for traffic signal control to reduce congestion.

**Matlab**

Aided the Low Carbon Transportation Imperial College (LOCARTIC) Centre in coding a software for calculating the turbocharger blade speed using Matlab.

**C and Arduino**

Created a Smart Wallet to help the blind people count their currency that comes with GPS tracking using Arduino and ESP6266.

**CAD softwares**

Advanced user of Solidworks and AutoCad

**Microsoft Office Softwares**

Very highly skilled in using microsoft softwares especially in word excel and powerpoint.

**Referral****Dr. Nor Hasrul Akhmal Bin Ngadiman**

Universiti Teknologi Malaysia

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**Work Experience****2018****KVMRT MMC-Gamuda**

**Design and Technical Department of M&E :** Tasks includes designing and checking the fire protection sanitary, cold water and ventilation systems of the underground stations for the MRT-2 line in Malaysia.

**Education****2015 - 2019 Universiti Teknologi Malaysia CGPA 3.88**

**Bachelors in Mechanical Engineering :** Main subjects includes Fluid Dynamic, Thermodynamics, Solid Mechanics System & Component Design, Finite Element Method, Facility Design, Turbomachinery, Energy & Environment.

**2014 - 2015 Kolej Matrikulasi Johor**

**CGPA 4.00**

**2009 - 2013 SMK Gajah Berang**

**10As**

**Awards****UTM XCITE Outstanding Entrepreneurial Leader****UTM XCITE Outstanding Student Enterprise****PwC TrustBuilders 2019 : Best Presenter Award**