

Haydn Chon In Cheong

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Education

The University of Sheffield

2015-present

BEng Electronic and Electrical Engineering with a year in industry – On track 1:1

Core course content scores from 1st and 2nd year as following:

- | | | | |
|------------------------------------|------|-------------------------------|------|
| • Communication Electronics | - 89 | • Digital system engineering | - 76 |
| • Analogue and Digital Electronics | - 88 | • Mathematics(III) | - 75 |
| • Electronic Devices and circuits | - 79 | • Engineering software design | - 69 |

Other modules:

- Power engineering, digital engineering and advanced engineering mathematics.
- Designing microprocessors architecture of FPGA NEXYS 4 with CDA software.
- Programming microcontrollers such as FPGA, FRDM-KL25Z, Arduino, and myRIO.
- Human resource, project management, law and finance.
- Designed a FPGA architecture for 2nd –year design project.
- Characterisation of AlAsSb semiconductor devices for 3rd –year project.

Received the “**Engineering International Scholarships**” for 2016/17 and 2017/18.

Related achievement:

- Awarded the “**Most Viable Business Proposition**” on the proposal that I have written in the Unmanned Aircraft Systems(UAS) Challenge for the year 2016. – accredited by IMechE.
- Winner team of the “**Start-up weekend**” event in Sheffield 2016.

Longsands Academy (A-levels)

2013-2015

Mathematics (A*), Further Mathematics (B), Physics (B), Chinese Language(B)

Achievement:

- Awarded the **Gold** award in the UK Senior Mathematics Challenge 2014.

Related Projects

- **Engineering You’re Hired(EYH)- University of Sheffield** Jan 2017
 - Worked in a multidisciplinary team to design a ski helmet with augmented reality(AR) goggle. We designed the goggle from scratch, up to patent and marketing plan, ends with a ten minutes funding pitch and a finalised document.
 - Appointed to be a team leader for a day, which required time management, setting objectives and making decision matrix for idea selection.
- **Sheffield Industrial Project scheme(SHIPS) project** Oct - Dec 2017
 - As a team leader, my role was to organise the project and being communicative while conducting researching with other members.
 - As a result, we delivered solutions to the AMRC representatives to real-time monitor the temperature and pressure of a composite material prototype in Hot-press machine which Advanced Manufacturing Research Centre (AMRC) is interested in.
- **FYGER competition- University of Sheffield** Dec 2016
 - As a team, we design and build remote controlled toy car with ability to capture a small object with a prosthetic arm. Entered the second round of the race, because we focused on the streamline structure, gear ratios and careful soldering on the receiver PCB board.
 - I collaborated well by motivating teammates to come up with structural design ideas and conducted the soldering work for the PCB board.

- **Project researcher – Energy Globe Ltd** 2013-2014(Summer)
 - Contacting and raising awareness of the annual Energy Globe's global competition to different companies worldwide.
 - With limited guidance, developed self-discipline in searching and inviting potential participants. Developed a reliable relationship with the manager of Energy Globe.

Work Experience

- **Education Representative– Tertiary Education Services Office** 2017 (Summer)
 - Was the vice- representative of a Beijing exchange program to serve 20 selected students from Macau.
 - Assisted the group for 28 days at the Beijing Language and Culture University. Promoted Macau culture to the local, coordinated with sub-group representatives.
- **Administrator – Financial Services Bureau of Macau** 2016 (Summer)
 - A government body to implement tax and organise the public accounting system and the budget of Macau. I worked on filing and documentation of confidential receipts.
 - Awarded a certificate as the best internship candidate in the organisation. Due to taking responsibility as an internship representative. Received tasks from seniors, then allocate and coordinate with other candidates for productive completion.
- **Administrator – Macau Foundation** 2015 (Summer)
 - Worked in an organisation with an objective to facilitates the development of local culture, economy and philanthropy of Macau.
 - Participate in filing and proofreading application forms from organisations in Macau. Developed reliable, trusting relationships with colleagues in the department.

Skills

- **Teamwork-** Participated in **FYGER competition, SHIPs** and **EYH**, designing, implementing and presenting engineering projects as a multicultural and multidisciplinary team. Also accumulated knowledge in project management, human resource, law and finance throughout my course.
- **Languages-** Provisional in **English, Mandarin** and **Cantonese** for both writing and speaking. Achieved **German CERF level B1** as class representative and still practising this language.
- **Problem solving-** Took part in Global Engineering Challenge(GEC), in improving lifestyle of people of Cameroon, with a relatively low cost solution for eye disease detector.
- **IT skills-** **Nao robot** programming, **LabVIEW (certified associate developer since Dec 2017)**, **C/C++**, **MATLAB**, **Verilog**.

Extracurricular

- 2018 – present: A **co-founder** of the **Macau Society** of the University of Sheffield.
- 2016 – present: A **co-founder** and **secretary** of the **Sheffield Artificial Intelligence Society**. Organise weekly seminar and meeting, regular NAO robot session and publicity of the society activities.
- 2017 – present: A member in the **International Toastmaster**. Practise **public speaking** with different types of topic in front of audience.
- 2016 – 2017: **Event Coordinator and Executive Secretary** of **Entrepreneurs Society**. Organized seminar talks on business management, start-up stories and social events.

Reference - Available on request.