

PROFILE

A highly skilled, A-Level qualified, student currently studying mechanical engineering at Singapore University of Technology and Design. She has exceptional schooling and external management experience in UK's largest maritime based cadet program along with various global institutions.

Both UK and international experience of team building, leadership and management with highly competitive and responsible groups. A tenacious achiever with a firmly practical perspective on differing cultures and successful methods of operation in education, field and working environments, delivering on-going innovation development by "hands on" practical problem solving. A driver, not a back seat passenger.

SUMMARY OF ACADEMIC QUALIFICATIONS

Singapore University of Technology and Design, Singapore May 2014 – Present

- Bachelor of Engineering with expected graduation 2017 in Engineering Development – Product Aerospace.
- Cumulative GPA 4.13 (Magna cum Laude) achieved while balancing with extra-curricula's (see later).

University of Waterloo, Canada Sep 2016 – Present

- Pioneer Exchange term at the University of Waterloo to continue studies

Birkenhead High School Academy Sixth Form, UK Sep 2009 – May 2013

- Full Two Year Course Study of 4 GCE A-level Qualifications in Mathematics, Physics, Design Technology and Further Mathematics.

WORK EXPERIENCE AND PROJECTS

Hope Technik, Singapore - Special Projects Intern May 2016 – Aug 2016

Worked alongside CEO, Peter Ho, on a range of projects from innovative design to research into potential new jobs and company interests. Hands on experience in their garage, building the tumbler element, an urban fire fighting vehicle. With access to their on-sight fabrication facilities, designed and prototyped a foldable, electric wheelchair.

Aria Café, Singapore – Part-time Assistant Manager Sep 2015 – May 2016

Given the responsibility of front of house staff to ensure smooth running of café during busy hours. She successfully tends to customer complaints while delivering confident service and motivation to the team.

Cammell Laird, UK – Assistant Project Manager Jun 2015 – Aug 2015

Efficiently worked alongside senior ship managers across multiple departments over 3 months; dealing with commercial, construction and general handling of vessels. Had exposure and hands on experience through all parts of a heavy engineering job including the high profile movement and shipment of module compartments manufactured at Cammell Lairds for the new aircraft carrier build, HMS PRINCE PHILLIP. Assessed the 2D technical drawings to 3D placement of low-loaders prior to movement to retain integrity of modules.

Cammell Laird, UK – Technical Assistant May 2015 – Jun 2015

Tasked to deliver a short technical report on smart materials and surfaces that could be used in a 21st Century nuclear hot cell design. The short in-depth research project allowed her to gain and improve on skills and experiences including research into high technology finishes, time management, preparing a technical document, communication with colleagues, universities and relevant organisations.

Brookes Bell Safety at Sea, Glasgow – Intern Feb 2013

Worked at an engineering consultancy that specialises in all aspects of naval architecture and safety in the marine environment. She had the chance to work on many projects while assisting various partners, including one project that dealt with the design of passenger vessels.

Roleo – The Automated Tour Guide**Jan 2016 – Present**

Given the task to design a rolling robot, she co-lead a team to fabricate Roleo. Roleo is an on-site tour guiding robot that gives real-time guidance around the site you wish to tour. Recently her team was given S\$2000 by SUTD to develop the class prototype for further use in its desired area of usage.

Electric Wheelchair, Hope Technik**Jun 2016 – July 2016**

Whilst working at Hope Technik, designed and developed a prototype fold-away electric wheelchair for use in an urban environment. Criteria included being easily transportable in the trunk of a car and to be simple as safe to use. These requirements were elaborated under the assumption the desired target had a limiting disability.

Solar Charging Station**Feb 2015 – Sep 2015**

With the support of the Maritime Youth Club (Singapore), worked as part of a team for SUTD Energy Club to design and build an Autonomous Solar Charging station that powers a fleet of smaller boats. Overcame issues of environment hostility and worked with members of the industry to find modern solutions.

Overcrowding in Hawker Centres/Food courts – Project Lead**2014**

Coordinated a team of seven to successfully prototype a product tackling the overcrowding issues faced in Singapore's famous Hawker Centre culture. The final prototype was able to reduce restricted feeling making for a more comfortable and enjoyable experience.

SUMMARY OF NON-ACADEMIC QUALIFICATIONS**Vice President of SUTD University Ambassadors****2014 - Present**

One of a small team of students who are the public's first point of contact when first visiting the university, she also organises logistical needs of the events with the Admissions and Marketing staff at SUTD. Will deal with high dignitaries at formal events as well as with prospective students.

Duke of Edinburgh's Award**2010 - 2013**

Completed up to and including GOLD Level. Led one team of five and one of six walking across 50 miles of difficult terrain to overcome the Duke of Edinburgh's Challenge.

President of SUTD Dive club**Sep 2014 – Sep 2016**

Position gained on account of her extensive knowledge of Sub Aqua Diving. She has helped to build up the two-year-old club by sourcing new external relations and maintaining current ones. Initiated and launched a Master Diver Leadership programme for two students per year and assisted to qualify over 60 Open Water Divers.

Member of the Sea Cadet Corps, UK**2007- 2014**

Seven years of dedicated time and effort to the program, she gained many qualifications in boating, leadership and others listed below:

- **Awards:** Gained the Lord Lieutenant's Certificate of Merit for outstanding achievement within the cadet corps. Held the position of Mayoral Cadet and through this mixed with high dignitaries of the area.
- **Leadership:** Gained the highest rank possible in the program by the age of 17. She was the highest female rank of her unit from the age of 16, having to lead and motivate all other cadets.
- **Qualifications:** Multiple RYA Licences, VHF Radio Licence.
- **Other:** First Class First Aid and maritime related fields such as rope work and ceremonial Drill (3rd at National Competition Level).

ADDITIONAL PROFESSIONAL SKILLS AND QUALITIES

Leadership and Management- Successfully manages her time between her studies, work and CCA involvement, as described in the previous section.

Numeracy & Problem Solving- Computer literate to a high standard, with hands on involvement in various computer based projects described above. Hands on knowledge of many CAD/programming software including Solidworks, Python and Microsoft.

Communication Skills- Can communicate easily to pass on ideas, knowledge and points of view to both her own peers as well as those of younger and older generations.

Training & Motivating- As the highest ranking cadet when she left the UK, she is well-qualified in training others in a way that inspires and motivates her younger and older peers. These skills have helped her gain professional qualifications in Instructional Methods.

Fund Raising- The Sea Cadet Corps is a self-funded charitable organisation. During her time with the cadets she has raised approximately £5000 (SGD\$8,750) for her unit both by personally and as part of group events.

INTERESTS

She has been involved with the British Sub-Aqua Club since 2010, however her love of Scuba started at age six (developing pool skills). By age 8 she started training in the ocean and is now a fully certified diver with over 200 dives of various depths and types on record. She is now the President of SUTD's Dive Club. As a member of the Sea Cadet Corps her love the water is expansive. She has gained high qualifications in power boating (safety standard), sailing (RYA/CYA Level 4+) and kayaking (RYA 2*) with an additional VHF radio qualification.

Keen pianist, playing to grade 5 standard and became a junior black belt in Judo at the age of 10.

CONTACT

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