

THADDEUS CHUA

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Address: -

EDUCATION

Nanyang Technological University, Singapore, Singapore **Bachelor of Aerospace Engineering**

Aug 2022 - May 2025

- Expected Honours (Merit)
- NTU Aerospace Society Member
- NTU Tanjong Hall Football Team and Swim Team Member
- NTU GEM Buddy

University of Sheffield, Sheffield, United Kingdom **Student Exchange Programme**

Sep 2023 - Feb 2024

- Embarked on a semester long exchange programme with a Russell Group University
- Met and worked with local and international students and professors
- Exposed to and gained insights to a different culture of education and living

Singapore Polytechnic, Singapore, Singapore **Diploma in Aeronautical Engineering**

Apr 2017 - May 2020

- 3-year diploma course including a 6-week overseas attachment and a 6-month internship programme

PROFESSIONAL EXPERIENCE

Singapore Airlines Engineering Company **Engine Services Division, Intern**

May 2024 – Aug 2024

- Attached to the Continuous Improvement (CI) department
- Worked with a team to facilitate the application of LEAN into work processes
- Participated and assisted in Value Stream Mapping – Reducing waste
- Assisted in optimising materials workflow by applying LEAN methodology
- Designed and programmed a digital dashboard to track work progress status

Singapore Armed Forces **Military Police Specialist**

Sep 2020 - Jul 2022

- Underwent 6 months of Specialist Cadet School, improving leadership and communication skills
- Led a team of 12 men to undergo missions and training exercises
- Accomplished Basic War-Fighter Platoon Sergeant Course and promoted to 2nd Sergeant at Paya Lebar Air Base
- Took charge of manpower planning and allocation for execution of duties on every 2-3 days

Singapore Aero Engine Services Pte. Ltd. **Quality Control Department, Intern**

Sep 2019 - Feb 2020

- Collaborated with 10 engineers in the Quality Control department to optimise data storage processes
- Improved data collection processes by digitalising database through programming, reducing manual and hardcopy data storage by almost 100%
- Upskilled in Microsoft Access, Microsoft Excel Visual Basics for Application (VBA) and SQL through project

AMECO, Beijing, China **Student Engineer**

Mar 2019 - Apr 2019

- Embarked on a 6-week student attachment programme to learn about company processes
- Applied hands-on learning in aerospace engineering through series of 6 modules such as landing gear and engine repair
- Understood the processes of aircraft maintenance under 5 engineers-turned-trainers of AMECO

PROJECTS

Portfolio Website

May 2023 - Present

- Built a portfolio website from scratch over the course of 3 months
- Picked up 3 programming languages working on project: HTML, CSS and JavaScript

WatchLingo, Nanyang Technological University

Jan 2023 - May 2023

Team Leader

- Led a team of 9 members in completing the Engineering Innovation and Design (EID) Programme
- Designed a translation device prototype to enhance the accessibility of translation services over 5 months
- Built business plan to predict market size and competitiveness for new product; devised product distribution strategy through 15 retailers (judges)
- Managed project over 13 weeks, performed data analysis and reviewed predicted budgets in business proposal

Python Mini Project, Nanyang Technological University

Jan 2023 - Apr 2023

Student

- Developed skills in Python over 3 months, learning the basics and translating it into a final assignment
- Designed Python programme using coordinates to draw and hatch shapes in 3 weeks
- Resolved issues in code and continually strived for performance improvement of programme

CO-CURRICULAR ACTIVITIES & COMMUNITY SERVICES

GEM Club, NTU

Apr 2017 - May 2020

GEM Buddy

- Hosted exchange students in NTU – Campus Tour
- Partnered with a exchange student as GEM buddies, facilitating smooth transition into NTU

Singapore Polytechnic Swim Team

Apr 2017 - May 2020

Vice-Captain

- Appointed as Vice-Captain of swim team (mixed) for academic year 2019-2020
- Represented Singapore Polytechnic in 2 inter-institutional competitions per academic year
- Managed team's logistical and administrative matters as Vice-Captain
- Won 3rd place in an individual event in POL-ITE 2018 (200-metre men's Individual Medley)
- Achieved CCA Gold with 45 effective points over course of education

Singapore Polytechnic Overseas Social Innovation Project

Sep 2018 - Sep 2018

Student Participant

- Collaborated with 8 students and a teacher for an innovation project in Makassar, Indonesia
- Partnered with 9 local students from Politeknik Negeri Ujung Pandang over 2 weeks
- Created solutions to solve harvesting issues in a local village, enhancing efficiency by approximately 40%

Singapore Polytechnic MAE, Freshman Orientation Camp

Apr 2018 - Apr 2018

Group Leader

- Led a group of 10 freshmen through 5 days of camp and activities
- Partnered with a team of 12 committee and exco members to plan camp activities

Clementi Town Secondary School Griffin Scouts

Jan 2013 - Dec 2016

Senior Patrol Leader (SPL)

- Supervised & organised training programmes for troop twice a week as SPL
- Spearheaded troop to achieve Frank Cooper Sands Gold award as SPL
- Facilitated training programmes for troop of 40 members to focus on competency gaps
- Represented school and Singapore in 23rd World Scout Jamboree 2015 in Japan for 2 weeks
- Guided a group of 8 members to complete trainings and tasks as Patrol Leader (2014)
- Attained the Edusave Award for Achievement, Good Leadership and Service (EAGLES) (2016)

Clementi Town Secondary School -- Lion Befrienders CIP

Jul 2015 - Jul 2015

Student Participant

- Partnered with Lion Befrienders to host a 2-day Community Involvement Programme
- Engaged with seniors at centre by organising games, having food and playing music for 2 hours each day

CERTIFICATIONS

- WSQ Certificate in Security (Attained: March 2021)
- NAUI Master Scuba Diver (Attained: August 2020)
- LinkedIn Learning Finance Foundation Certification (Attained: April 2020)
- Korean Language Certification, Basic (Attained: March 2017)

SKILLS

- Digital Skills: Python, HTML, CSS, JavaScript, C++, Microsoft suite, AutoCAD, SolidWorks, MATLAB
- Languages: English (Native), Mandarin (Proficient), Korean (Basic), German (Basic)