

## EDUCATION

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Nanyang Technological University (NTU) May 2018 – **May 2022** (Expected)

- Bachelor of Engineering (Electrical and Electronic Engineering)
- **Honours (Merit)** (Expected)
- Relevant Modules: (1) *Introduction to Data Science and Artificial Intelligence*  
(2) *Data Structures and Algorithms* (3) *From Computational Thinking to Programming*

## ACADEMIC PROJECTS / MODULE PROJECTS

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NTU-EEE Module: ***Introduction to Data Science and Artificial Intelligence*** Oct 2019 – Nov 2019

Module Project: ***Predicting Probability of Olympian Winning Medal*** (Team of 3)

- Developed *Probability Prediction Model* for *Olympics 2020* using *Python Programming* based on Anaconda platform
- Deployed *Imputing Technique* to enhance model prediction probability (e.g. rectifying data “integrity”) upon *Machine Learning Algorithm* (i.e. XGBoost) application
- Successfully simulated outcome by developed model based on “historical” dataset (1910 – 2010) of *Olympic Medal Winners* to predict upcoming *Olympics 2020*

## NATIONAL SERVICE

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Republic of Singapore Navy, ***Underwater Combat Medic*** Nov 2016 – Jan 2018

- Built reputation among superiors for strong situational awareness and excellent communication skills; resulted in frequent invitations from *RSS Stalwart* to assume role as ***Cover Medic*** on month-long sea deployments
- Provided front-line medical service for *acute appendicitis patient* over 12 hours readily (e.g. measured vitals, administered medication / drips) with stable condition intact
- Worked under pressure in time-critical situation to treat patient having anaphylaxis (i.e. severe allergic reaction with difficulties breathing)
- Proactively equipped *New Medics* and *Ship Crew* with clinical knowledge, skillset and ability to assist *Senior Medics* and *Doctors* in treatment and protocols

## LEADERSHIP / CO-CURRICULAR & VOLUNTARY ACTIVITIES

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NTU Hall 1 Hall Council, ***Financial Secretary*** Sep 2019 – Present

- Analyzed past expenditure as benchmarking / referencing to manage current finances for Hall 1 operation; allocated approved budget to respective 10 committees with solid justification
- Assume role as ***Main Liaison*** to coordinate with Student Affairs Office for reimbursement claims upon valid receipts / invoices submitted by 10 committees
- Involved actively in assets sourcing and procurement for Hall 1

NTU Hall 1 Junior Common Room Committee, ***Social Secretary*** Sep 2018 – Aug 2019

- **Led** 8 team members to organize *Joint-Hall Halloween Event* within compressed time; successfully participated by 400 residents
- Planned, organized, executed and implemented social activities for hall residents’ cohesiveness
- Managed the *Hall Cheerleading Team*, and initiated fund raising to support team's training expenses

- Drafted proposals and conducted regular *Culinary Workshops* for every class comprising 20 students
- Initiated to improve hygiene protocols by including detailed steps on sanitizing equipment for participants

## **SKILLS**

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- **Languages:** Python, JavaScript, HTML, CSS, C, Arduino
- **Frameworks & Libraries:** Scikit-learn, Pandas, Numpy, Flask, Bootstrap
- **Tools:** Git, Docker
- **Programs:** LabVIEW, MATLAB, Microsoft Office 2019 (Excel, Word, PowerPoint, Outlook)