

# Ng Tze Yang

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## Education

### Nanyang Technological University

Jun 2015 – Dec 2019

Renaissance Engineering Programme

Bachelor of Engineering Science (CGPA: 4.8)

Master of Science in Technology Management

### University of California, Berkeley

Oct 2017 – Jun 2018

1 year abroad as part of REP curriculum with Industrial Orientation Internship

## Work Experiences

### Web Application Developer, Tradex Systems Pte Ltd

Dec 2016 – Jan 2017

- Designed and developed an API that syncs the company's database with the government's open database
- Independently learnt and mastered the languages and frameworks required for the API
- API was completed well ahead of the deadline and include additional functionality

### Deputy Training & Operations Officer, 38<sup>th</sup> Combat Engineer Battalion

Jan 2014 – Dec 2014

- Led a team to review and modify more than a dozen work processes to ensure they complied with ISO 9001:2008 standards
- Managed to get all work processes approved by internal auditors and ready for the final audit
- Work was recognized by the commanding officer and was awarded an early promotion to the rank of Lieutenant

## Leadership & Co-Curricular Activities

### Captain, Nanyang Technological University Swim Team

Feb 2016 – Feb 2017

- Coached and managed a team of 20 swimmers for thrice-weekly training sessions
- Instilled a culture of teamwork and individual discipline
- Swimmers consistently achieved personal bests in competitions
- 7 swimmers were selected to represent Singapore at the ASEAN University Games

### Member, Singapore National Swimming Team

2007 – 2016

## Awards and Achievements

### 2<sup>nd</sup> Runners up, Makers' Lab Hack-a-Car Challenge

- Teams were tasked to build a car controlled by a smartphone app within 24 hours
- Undertook the responsibility of designing wheels with improvised materials
- Car managed to complete tasks with the 3<sup>rd</sup> best timing

## Software & Coding Skills

- |                                    |                              |
|------------------------------------|------------------------------|
| ▪ C & C++ (Intermediate)           | ▪ Java (Intermediate)        |
| ▪ Python (Intermediate)            | ▪ MySQL & PHP (Intermediate) |
| ▪ Laravel Framework (Intermediate) | ▪ JavaScript (Basic)         |

## Certifications

- ISO 9001:2008 Design & Implementation

## Personal Interests

Hiking & Arduino Hacking

Politics and International affairs