



# Ng Tze Kean

Student

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## Work Experience

### NTU Undergraduate Research (May 2022 – Aug 2022)

NTU (with Professor Lam Siew Kei)

- Embedded system design on Nvidia machines
- ORB-SLAM with OpenCV and ROS

### Intern (May 2022 – Aug 2022)

REANGLE P.L. (Start-up)

- Conceptualized green finance business model and green data analytics
- Develop and execute digital marketing strategies
- Formulate actionable tactics to promote green businesses
- Design targeted green strategies for various sectors
- Promote sustainable growth in alignment with SG goals through good ESG practices

### Temp Executive (Nov 2020 – Feb 2021)

Ministry of Health

- Regulatory Compliance & Enforcement Division (RCE) / Engagement & Strategy
- Administration of online telemedicine E-training
- Supporting HCSA team for replacement of PHMCA with HCSA
- Part of LEAP Sandbox team

### Platoon Commander (2019 – 2020)

Singapore Armed Forces

- Officer Cadet School (Logistics Formation) 115/19 - Top Graduate, Sword of Honour
- Attained Best Workshop 2019 in unit. Platoon size of 60.
- Elevated 5 soldiers to become Best Unit Soldier (Competition held once every month)
- Elevated 2 Sergeants to become Best Section Commander (Competition held once every quarterly)
- Developed Business Continuity Plan along with Platoon Warrant Officer and other Key Appointment Holders from other units during the COVID-19 pandemic
- Lead for innovation and digitalization to boost workflow. (E-Parade State)

## Education

### Nanyang Technological University (2021-2025)

#### Awards:

- NTU Dean's List AY21 (Year 1)
- NTU Bike Rally 2021 100km, 1st runner up

#### CCA:

- College of Engineering Student Ambassador 2021-2022
- College of Engineering Student Unibuddy 2022
- EXCO (Technical Director), NTU-Dyson student ambassador 2021-2022
- SCSE Outreach Ambassador 2021-2022
- EXCO (Logistics head), NTU Aikido 2021-2022

#### Activities organized:

Student ambassador, NTU Discover Engineering (SCSE) 2021  
Core planning team, NTU Open House (SCSE) 2022  
Technical Director, NTU James Dyson Innovation Festival 2022  
Core planning team, NTU Info Session (SCSE) 2022  
Moderator, NTU Virtual Open house (SCSE) 2023  
2IC, NTU Physical Open house (SCSE) 2023

#### Activities/Courses participated:

Participant, DSTA Brainhack 2021  
URECA (Edge Computing) 2022  
NTU Best Foot Forward Fund Raising 2023

#### Internship:

REANGLE P.L., 2022 (Focus on data analytics)

## Cambridge A-Level

### Pioneer Junior College (2017 – 2018)

**CCA:** Outdoor Adventure Club (EXCO, Overall Training head)

#### Other positions:

- Class peer coach
- Chief Information Officer, Social Entrepreneurship Challenge
- Logistics In-Charge, Wenling Service-Learning immersion

#### Awards:

- 2017 Edusave Academic Award
- 2017 Social Entrepreneurship Challenge, 1st place
- 2018 Edusave Academic Award
- 2019 Colours Award

## Qualities

- Leadership (MBTI: ENTJ)
- Full Stack programmer
- AI Development
- Programming language (Python, C, Java, C++, JS)
- Query language proficiency
- Development of applications in different OS (Windows, Linux)

## Hobbies

- Martial arts (Black belt in Aikido, Red belt in taekwondo)
- Sports (Top 3 in national cycling competition)
- Cyber security and penetration testing

## Major Achievements

- Appointed as Freestyle Drill In-Charge and won 1<sup>st</sup> runner up in 2014 and 2<sup>nd</sup> runner up in 2015.  
Subsequently chosen by HQ for a cadet immersion programme at Houston, Texas.
- 2nd runner up in Singapore's Cycling Criterium Competition in 2016
- Achieved 1<sup>st</sup> in Pioneer JC Social Entrepreneurship Challenge 2017 as the Chief Information Officer.
- Multiple Edusave awards for consistently performing above top 15% of cohort
- Volunteered as an Instructor for Singapore's Extra.Ordinary People to train the mentally challenged students in Grace Orchard School to perform Aikido.
- SAF Sword of Honour 2019 Logistics formation
- SAF Commanding Officer coin for outstanding performance
- NTU-Dyson Technical Director
- NTU Aikido logistics executive
- NTU Dean's List 2021
- NTU Undergraduate Research program (URECA)
- ICH Bursary 2023 recipient
- Gathered over 48 donor for NTU Bursary fund raising