

# Ng Tze Kean

Undergraduate

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## Work Experience

### Nanyang Technological University

Jan 2024 – Dec 2024

NTU Undergraduate Research | Supervisor: Professor Sun Aixin [Associate Dean Academics]

- Research project: [Streamsight: A toolkit for offline evaluation for RS](#)
- Python, Recommender System, System architecture design, Machine learning techniques

### ADDX Pte Ltd [Private Equity Exchange]

Jun 2023 – Dec 2023

Data Analytics Intern | Supervisor: Yogesh [Data team lead]

- Managing and optimising overall of 30 database tables some containing over 3million entries in Snowflake and configurations through DBT for analysis and intelligence gathering
- Real-time and historical data monitoring for development and production use case
- Developed over 4 department personalised dashboards for data visualisation (Power BI, Py Plotly) for internal departments and Key Management to provide business intelligence
- Engineered 6 predictive analytics machine models to aid the sales department in driving revenue. Both supervised and unsupervised models were developed and results fed into dashboards

### Wiz.AI Private Ltd [AI]

May 2023 – Jun 2023

Finance Intern | Supervisor: Andy Teo [Finance director]

### Nanyang Technological University

May 2022 – Jun 2023

NTU Undergraduate Research | Supervisor: Professor Lam Siew Kei [Assistant Chair Admission]

- Research project: [Improving Localization Robustness of ORB-SLAM with Dual Cameras](#)
- Embedded system (Nvidia Jetson Nano), GStreamer, ROS, ORB-SLAM, OpenCV, Linux

### REANGLE Pte Ltd [Sustainability]

May 2022 – Aug 2022

Data Analyst Intern | Supervisor: Kazu Watanabe [CEO, Founder]

- Conceptualized green finance business model through data analytics
- Developed targeted green strategies for sectors and executed digital marketing strategies
- Formulated actionable tactics to promote green businesses
- Promoted sustainable growth in alignment with SG goals through good ESG practices

### Ministry of Health

Nov 2020 – Feb 2021

Engagement & Strategy Intern | Supervisor: Chan Weng Chee [Senior Assistant Director]

### Singapore Armed Forces

2019 – 2020

Platoon Commander

- Officer Cadet School (Logistics Formation) 115/19 - Top Graduate, Sword of Honour

## Education

### Nanyang Technological University

(Aug 2021- May 2025)

**Current GPA:** 4.90 (First Class Honour)

**Degree:** Computer Science

**Specialisation:** Artificial intelligence | **Minor:** Business

#### Notable Business modules:

Investments, Business Finance, Accounting,  
Business Law, Management

#### Notable Computing modules:

Reinforcement learning, Big data management,  
Natural language processing, Machine learning, Deep  
learning, Database, Operating system

#### Awards:

- Genk Capital Scholarship 2024
- Tan Sri Runme Shaw Scholarship 2023
- Ng Bok Eng Scholarship 2023
- NTU President Scholar (Merit)
- Dean's list all years applicable

#### Exchange Universities:

- Peking University [Summer 2024]
- University Michigan - Shanghai Jiao Tong joint  
Institute [Semester 2024]
- Shanghai Jiao Tong University [Semester 2024]
- Tsinghua University [Virtual 2023]
- National University Singapore [Semester 2022]

#### Hackathons:

- 中国国际大赛 (Joint prosthesis), 2024
- NTU SCSE TechFest Hackathon 2024, 1st runner up
- TikTok Hackathon Challenge 2023, Finalist
- SUTD Hackathon 2023, Champion

#### Roles:

- NTU College (CCDS) Ambassador 2021-2023
- NTU College (COE) Ambassador 2021-2024
- NTU Overseas (GEM) Ambassador
- EXCO, NTU-Dyson ambassador 2021-2022
- EXCO, NTU Aikido 2021-2022

#### Activities:

- Various SingCham events in Shanghai 2024
- Contribution to Abbott's diabetes management 2023
- NTU Best Foot Forward Fund Raising 2022/23
- NTU URECA (Edge Computing) 2022
- NTU Bike Rally 100km 2021, 1st runner up

## Major Achievements

- Appointed and represented NTU locally and globally in various events
- Gathered over 48 donors and raised 1.49k for NTU Bursary fund raising
- Singapore Armed Forces Sword of Honour 2019 Logistics formation
- 2nd runner up in Singapore's Cycling Criterium Competition in 2016
- Multiple awards from MOE and school for academic and CCA performance

## Ongoing pursuits

- CFA Level 1
- Research project in Recommendation System

## Qualities

- Leadership (MBTI: ENTJ)
- Full Stack programmer
- Data Analytics, Financial Analysis and AI Modelling
- Programming skillset (Python, PyTorch, C, Java, C++, SQL)
- Development in different env (Windows, MacOS, Linux)

## Hobbies

- Martial arts (Black belt in Aikido and Taekwondo)
- Triathlon

## Language

- English (Native)
- Chinese (Professional)