

Ng Tze Kean

Undergraduate

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Work Experience

Nanyang Technological University

Jan 24 – Dec 24

NTU Undergraduate Research | Supervisor: Professor Sun Aixin

- Research project: *Recommender System [Redesigning Evaluation with temporal aspect]*

ADDX Private Ltd

Jun 23 – Dec 23

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

May 23 – Jun 23

Finance Intern | Supervisor: Andy Teo [Finance director]

Nanyang Technological University

May 22 – Jun 23

NTU Undergraduate Research | Supervisor: Professor Lam Siew Kei

- 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 22 – Aug 22

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 20 – Feb 21

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

Awards:

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

Exchange Universities:

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

Hackathons:

- NTU SCSE TechFest Hackathon 2024, 1st runner up
- TikTok Hackathon Challenge 2023, Finalist
- SUTD Hackathon 2023, Champion

Roles:

- NTU College Ambassador 2021-2024
- NTU CCDS 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
- RecSys research

Qualities

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

Hobbies

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

Language

- English (Native)
- Chinese (Professional)