

EDUCATION

Nanyang Technological University, Singapore

Aug 2022 – May 2026

Bachelor of Science in Data Science and Artificial Intelligence

- Pursuing a Bachelor of Science in Data Science and Artificial Intelligence.
- Expected Honours (Distinction), Current CGPA: 4.69/5.00.

Dalian University of Technology, China

Sep 2021 – July 2022

International School of Information Science & Engineering

- Recipient of Study Scholarship for CGPA Top 10 Students
- Focused on the International Collegiate Programming Contest.
- Developed strong teamwork and collaboration skills.
- Learned Japanese to enhance communication skills.

COMPETITION EXPERIENCE

Ranked 6th in ICPC Asia-Manila Regional Contest

Dec 2022 – Dec 2022

- Solved 8 out of 13 algorithm problems within 5 hours.
- Managed the team and designed/implemented algorithms.
- Improved leadership skills and gained confidence for future competitions.

Gold Medal in the 2021 ICPC Asia Kunming Regional Contest

April 2022 – April 2022

- Solved 5 out of 13 algorithm problems in 5 hours.
- Focused on solving dynamic programming problems.
- Teamed up with experienced seniors and enhanced leadership ability.
- Learned strategies and knowledge from teammates.

Silver Medal of the 2021 ICPC Asia Nanjing Regional Contest

Dec 2021 – Dec 2021

- Solved 6 out of 13 algorithm problems in 5 hours.
- Managed the team and implemented algorithms.
- Teamed up with freshmen with Olympiad in Informatics experience.
- Adopted cooperative thinking strategy and reversed unfavourable situations.

Silver Medal of 2021 China Collegiate Programming Contest, Harbin Site

Nov 2021 – Nov 2021

- Solved 6 out of 13 algorithm problems in 5 hours.
- Focused on solving dynamic programming problems and debugging.
- Teamed up with experienced seniors and learned leadership skills.

Best-in-University Prize in Simon Marais Mathematics Competition

Dec 2022 – Dec 2022

- Attempted 8 challenging mathematical problems within a 6-hour time frame.
- The problems covered various topics such as number theory, game theory, and calculus.
- Collaborated with a teammate to design and implement solutions.
- This experience improved my teamwork and problem-solving skills.
- Gained valuable experience in applying mathematical concepts to real-world problems.

1st Place in the IET-CUP Hackathon

Dec 2022 – Dec 2022

- Organized by IET-NTU, mainly for all NTU undergraduates.
- Successfully solved 9 out of 10 algorithmic problems in the competition.
- Participated as an individual, which tested my mental resilience and problem-solving skills under pressure.
- Improved my thinking ability and mental endurance in unfavourable competition conditions.

First Prize in the 2020 National Olympiad in Informatics in Provinces (Zhejiang)

Dec 2020 – Dec 2020

- Solved 4 challenging algorithmic problems within a 4.5-hour time frame, including topics such as dynamic programming, greedy algorithms, game theory, and mathematics.
- Enhanced coding and problem-solving skills through the competition.
- Developed critical thinking and algorithmic design abilities.

CO-CURRICULAR ACTIVITIES

Institution of Engineering and Technology – NTU

Aug 2022 – April 2023

Welfare Manager

- Organized 2 events.
- Conducted orientation for IET-NTU.
- Hosted IET-UoSM students' visit to NTU campus.

NTU SCSE Club

Dec 2022 – Jan 2023

- Wrote a detailed solution for the final exam of Discrete Mathematics.
- Solution adopted by NTU SCSE Club.

SKILLS

Programming Skills

- Have certain knowledge in C, C++, Java, Python and LaTeX
- Participating in NTU's software engineering course to improve my front-end and back-end development capabilities.
- Studying Introduction to Data Science & Artificial Intelligence, a course offered by NTU School of Computer Science and Engineering, learning to use python for machine learning and artificial intelligence.

Algorithm Analysis and Design Skills

- Obtained a certain understanding of cryptography through participating in the Modern Cryptography course at NTU School of Physical and Mathematical Science and received a grade of A+.
- Participated in various International Collegiate Programming Contests and Olympiad in Informatics competitions, showcasing algorithm analysis and design abilities.

Communication Skills

- Proficient in Chinese, conversant in English and Japanese.
- Passed Japanese Level 3 in NTU.

HOBBIES & INTERESTS

Enjoys playing chess, calligraphy, travelling, mountain climbing, jogging, and ping-pong.

Shares knowledge and experience through writing blog posts at <https://pufanyi.github.io> in free time.