

# Fanyi Pu

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## EDUCATION

### Nanyang Technological University

Singapore

*Bachelor of Computing in Data Science and Artificial Intelligence, Minor in Applied Physics*

2022 – 2026

- Expected Honours (Distinction), Current CGPA: 4.64
- Current GPA (Math, CS, and Physics Only): 4.91
- Courses beyond major: Modern Cryptography, Numerical Analysis I, Japanese III

### University of California, Berkeley

Berkeley, CA

*Summer Session*

Jun 2024 – Aug 2024

- Studied *Computer Security* and *Game Theory*

## EXPERIENCE

### Undergraduate Research Experience on Campus

Jun 2023 – Present

*MMLab@NTU*

*Singapore*

- Supervised by Prof. Ziwei Liu.
- Co-authored MIMIC-IT, contributing to instructing methods on multimodal models.
- Co-authored LMMs-Eval, an evaluation suite for large multimodal models.

### The International Collegiate Programming Contest (ICPC)

2021 – 2024

*Nanyang Technological University / Dalian University of Technology*

*Singapore / China*

- Ranked 6th in ICPC Asia-Manila Regional Contest.
- Gold medal in ICPC Asia-Kunming Regional contest.
- Silver medal in ICPC Asia-Nanjing Regional contest.

### Simon Marais Mathematics Competition

Dec 2022

*Nanyang Technological University*

*Singapore*

- Best-in-University Prize in Nanyang Technological University.
- Solved problems in number theory, game theory, and calculus.

### Olympiad in Informatics

2019 – 2020

*Shaoxing No.1 High School*

*Zhejiang, China*

- First prize in National Olympiad in Informatics in Provinces.
- First prize in Certified Software Professional (Senior).

## PROJECTS

### LMMs-Eval: An Evaluation Suite for Large Multimodal Models

Mar 2024 – Present

- Earned 1.2k stars on GitHub.
- Core contributor.
- Highly integrated with Hugging Face.
- Adopted by projects such as LLaVA.

### OtterHD: A High-Resolution Multimodal Model

Nov 2023 – Present

- Evaluated model performance.
- Developed an evaluation framework, the prototype of LMMs-Eval.

### MIMIC-IT: Multi-Modal In-Context Instruction Tuning

Jun 2023 – Present

- Earned 3.5k stars on GitHub, with 430 citations on Google Scholar.
- Organized a large instruction tuning dataset.
- Developed the `syphus` pipeline to generate multimodal data using language models.

## SKILLS

**Languages:** English, Chinese (native), Japanese (studying)

**Programming Languages:** Python, C/C++, Go, Java, Julia, R, MySQL, ...