

# Ting He

Undergraduate Student

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## EDUCATION

University of Michigan, Fall 2022 - Spring 2024 — CS Major, Linguistics and Math Minor

University of Rochester, Fall 2020 - Spring 2022 — B.Sc. Computer Science, B.Sc. Math

- Cumulative GPA: 3.98 / 4.00

High School Affiliated to Renmin University of China, Graduated — IB Program

## EXPERIENCES AND PROJECTS

iOS App Developing — 2021 - present

Built three small iOS apps and an iOS game app (unpublished) using Xcode and Swift storyboard. Link to portfolio:

<https://drive.google.com/file/d/1tOMatGxIZZRvRdBPlcm5mlWhHfE2RigL/view?usp=pdf>

Unity Game Designing and Developing — October, 2021 - present

Designed and built a little game in 36 hours in a hackathon using Unity. Won third place.

Link: <https://devpost.com/software/protect-the-coder>; Will finish the game.

Computer Science Course TA; University of Rochester — January - May, 2022

Worked as TA for a Computer Science course, Computation and Formal Systems. Graded projects and held weekly study sessions.

Math Course TA; University of Rochester — January - May, 2022

Worked as TA for a Math Course, Mathematical Cryptography. Graded homework, composed homework solutions, and held weekly office hours.

Intern Data Analyst; DataStory; Beijing, China — June - August, 2021

Processed and analyzed a large amount of data. Gained insights from data and wrote reports that present data in visual ways to meet the clients' needs.

Independent Research in Math History — 2019 - 2020

Researched and read extensively on Fermat's Last Theorem; interpreted the math development behind it; analyzed the significance of the theorem and its applications; wrote a research essay.

## AWARDS

- Third Place, DandyHacks, Game Track — October, 2021
- Meritorious, Regional, International Mathematical Modeling Challenge (IMMC) — October, 2020 & 2019
- Honorable Mention, International, IMMC — October, 2019
- Top 3%, Second Prize, NSS-NASA Ames Space Settlement Design Contest — May, 2018
- Silver Award, Top 15% National, RSC3 Chemistry Challenge — December, 2018

## EXTRACURRICULARS

Photography — 2016 - present

Started photographing since 8th grade, expertise in street photography. Link to my photography gallery: <https://www.tinghephotography.com/>

Volunteer, Wen Hua Primary School for migrant children, Beijing — 2019 - 2020

Taught 50 migrant children English. Made lesson plans and corrected homework. Accompanied the children as their parents weren't always around.

Micro Film "Joy Tinged with Sorrow," Beijing — 2018 - 2019

Filmed and edited the micro film *Joy Tinged with Sorrow*; designed its posters and tickets; directed some of the scenes. The film won "the best short film editing" and "the best short film director" in the school's micro film festival.

## SKILLS

- Language:

Fluent in Chinese and English; Elementary in German and French.

- Computer:

Microsoft, C, C++, C#, Swift, Java, Python, Lisp, LaTeX, SQL, R, HTML, CSS

- Other:

Video Editing and Lightroom