Hung C. Le Tran

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EDUCATION

University of Chicago   Chicago, IL
Bachelor of Science in Mathematics   Expected, June 2026
Overall GPA: 3.9, Major GPA: 4.0

HONORS AND AWARDS

- Dean's List, 2022–2023
- Gold Medal in Singapore Mathematics Olympiad, 2019, 2021
- Silver Medal in Singapore National Olympiad in Informatics, 2021

EXPERIENCE

Math REU Apprentice Program   University of Chicago
Program Participant   June 2023–August 2023

- Attended 5 weeks of the Apprentice Program on group theory, quadratic reciprocity, graph theory. Attended 8 weeks of Probability and Analysis lectures on random walks, geometric measure theory, Fourier analysis, stochastic calculus.
- Wrote an expository paper on partial differential equations, specifically linear PDE techniques, the Laplacian operator, and Laplace's and heat equations with their probabilistic interpretations.

Directed Reading Program   University of Chicago
Mentee   January 2024–present

- Read papers on Kakeya sets and their relation to geometric measure theory and complexity theory with a graduate mentor.

RELEVANT COURSEWORK

Current

- MATH 20800: Honors Analysis in $\mathbb{R}^n$ II
- MATH 26200: Point-Set Topology
- TTIC 31020: Introduction to Machine Learning (Graduate)

Completed

- MATH 20700: Honors Analysis in $\mathbb{R}^n$ I
- MATH 20250: Abstract Linear Algebra
- MATH 16100–16300: Honors Calculus I–III
- PHYS 18500: Intermediate Mechanics
- PHYS 14200, 14300: Honors Electricity and Magnetism, Honors Waves, Optics and Heat
- CMSC 25300: Mathematical Foundations of Machine Learning

REFERENCES

Beniada Shabani, Assistant Instructional Professor, University of Chicago
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Mark Cerenzia, Lecturer, Princeton University
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