Hein Thant Aung

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Research Interests

Combinatorics and Graph Theory, Ergodic Theory and Topological Dynamics, and Analysis in general

Education

Chinese University of Hong Kong, Sha Tin, Hong Kong — 2021 September – Ongoing
B.Sc. in Mathematics (Ongoing, Year 3) — Major GPA: 3.89/4.00
Minor in Computer Science

Projects

Undergraduate Research Opportunity Program 2022-23 — 2022 December – 2023 June
Supervisor: Dr. Li Chun Che
Topic: *Asymptotic Bounds for AP-Free Sets in Vector Spaces over Finite Fields*

Reading Project on Ergodic Theory — 2023 October – Ongoing
Supervisor: Prof. Feng De Jun
From Manfred Einsiedler, Thomas Ward, *Ergodic Theory: with a view towards Number Theory* (GTM259)

Honors and Awards

58th International Mathematical Olympiad (IMO) — 2017
Honorable Mention

Simon Marais Mathematics Competition — 2022
Top 25% in Individuals

Simon Marais Mathematics Competition — 2023
Top 10.8% in Pairs (paired with Shin Thant Kyaw)

Dean's List Award — 2022 & 2023
College Master's List — 2022 & 2023

Scholarships

- CUHK Admission Full Scholarship — 2021-23
- Morningside College Admission Scholarship — 2021
- Mathematics Scholarship — 2021
- Undergraduate Mathematics Scholarship — 2022
- Morningside College Academic Scholarship — 2022 & 2023

Other Experiences

Combinatorics Instructor for Myanmar IMO Team — 2020 & 2022

Euclidiad Mathematics Organization — 2020-2023
Co-founder

- Organized 3 olympiads around Myanmar
- Lead instructor for 2 three-month courses and 2 short courses
- Content writing and advertising

Other Skills

- Working knowledge in C++ and Python