

Kyaw Shin Thant

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Education

The Chinese University of Hong Kong
B.Sc in Mathematics

Fall 2021 – present
CGPA: 3.811/4.000, Major GPA: 3.949/4.000

Research Experience

Final Year Project

September 2024 - present

Read Zagier's *The 1-2-3 of Modular Forms* and currently reading *An Introduction to the Langlands Program* by Bump et al. Supervised by Prof. Jiu-Kang Yu.

COSINE: China and Overseas Study, Internship and Exchange Program

June 2024 - July 2024

Worked on developing a connection between webs and modules in Grassmannian cluster categories. Supervised by Prof. Joel Kamnitzer.

UROP: Undergraduate Research Opportunities Program

Jan 2024 - May 2024

Read some papers and articles on modular forms and the Eichler-Selberg trace formula. Supervised by Dr. Charles Chun Che Li.

Reading Project

Jan 2024 - May 2024

Read Artin's *Algebraic Geometry: Notes on a Course* and part of Springer's *Linear Algebraic Groups*. Supervised by Prof. Jiu-Kang Yu.

Service

Instructor: Myanmar IMO Team Training

2020 – present

National training program for the Myanmar team at the International Mathematical Olympiad (IMO). Taught Euclidean geometry and proposed problems for mock exams.

Technical director: Myanmar Open Mathematics Competition (MOMC)

2024 – present

Two rounds of competition before the team selection test for the IMO. Supervised all \LaTeX projects and proposed problems for the contest.

Work Experience

Teaching assistant: Euclidiad

2020 – 2023

Worked as a teaching assistant in geometry classes, and helped with grading and collecting problems.

Organizer: Online Myanmar Mathematical Olympiad (OMMO)

2020 – 2022

Problem author and organizer along with three other students for the Online Myanmar Mathematical Olympiad, an online math olympiad to further prepare students for regional and national rounds.

Competitions

International Mathematical Olympiad 2019: participant, MMR4

Simon Marais Mathematics Competition 2023: rank 27th (pair category, East division)

Scholarships and Awards

Tsou Shou Town Undergraduate Scholarship with Best Performance 2024/25: awarded October 2024

Professor Charles K. Kao Research Exchange Scholarship 2023/24: awarded June 2024

CSE Bronze Award for Outstanding Academic Performance 2023: awarded May 2023

Dean's List: awarded for academic years 2021-22, 2022-23 and 2023-24

Morningside College Master's List: awarded for academic years 2021-22 and 2022-23

University Admission Scholarship with Honours at Entrance: awarded December 2021

Morningside College Admission Scholarship: awarded December 2021