

Clement Yung

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Education

2022 - Present	Doctor of Philosophy (Mathematics)	University of Toronto (UofT)
2018 - 2022	Bachelor of Science, Highest Distinction (Mathematics)	National University of Singapore (NUS)

Research Interests

Set theory and Ramsey theory.

Research Experience

Sep 2022 - Present	Dissertation Supervisor: Asst. Prof. Spencer Unger
May 2021 - Mar 2022	Honours Thesis: <i>Diagonalisation Forcing with Infinite Block Sequences</i> Introduced a variant of diagonalisation forcing by Neeman-Norwood for infinite block sequences. Supervisors: Asst. Prof. Spencer Unger, Prof. Yang Yue
May 2019 - Aug 2019	Undergraduate Research (UROPs): <i>On a Class of Diophantine Equations with Floor Function</i> Studied the integer solutions to a specific class of equations involving the floor function. Supervisor: Assoc. Prof. Wong Yan Loi Published in <i>Mathematical Medley</i> , Vol 45 No. 1.

Talks

Mar 2024	<i>Infinite games and Lebesgue measure</i> , Bird's Eye Conference, University of Toronto
Mar 2024	<i>Weak A_2 spaces and Ramsey games</i> , Fields Institute, University of Toronto
Feb/Mar 2024	<i>MAD families of Gowers' infinite block sequences</i> , Student Set Theory and Combinatorics Seminar, University of Toronto
Oct 2023	<i>Kastanas game in sequence</i> , Student Set Theory and Combinatorics Seminar, University of Toronto

Awards

2022	UofT	<i>Blyth Fellowship</i> Awarded to incoming graduate students who exhibited excellent academic records.
2022	NUS	<i>Leong Teng Kiang Memorial Prize in Mathematics</i> Awarded to the best student in BSc Mathematics in the graduating batch of AY2021/22.
2022	NUS	<i>Lijen Industrial Development Medal</i> Awarded to the best academic project (MA4199 Honours Project in Mathematics) in Mathematics in AY2021/22.
2022	NUS	<i>SPM Book Prize</i> Awarded to the best student in Special Programme of Mathematics in the graduating batch of AY2021/22.
2019 - 2021	NUS	<i>Dean's List</i> Awarded to top 5% of the total undergraduate Science students for Academic Year 2019/20 and 2020/21, for both Semesters 1 and 2.
2020	NUS	<i>Tan Teck Chwee Prize</i> Awarded to the best student in Mathematics III for Academic Year 2019/20.
2020	NUS	<i>Honor List of Student Tutors</i> Awarded to student tutors who have attained this excellence during their course of teaching for Academic Year 2019/20.
2018 - 2021	SMMC	<i>Simon Marais Mathematics Competition (SMMC) - Top Quartile</i> Participated in the yearly SMMC, and attained 85 th , 93 th , 89 th (doubles) in the years 2018, 2019, 2020 respectively.
2018	NUS	<i>NUS Merit Scholarship</i> Awarded to incoming students with outstanding academic and co-curriculum records. Provides full coverage of tuition fees along with yearly allowance.

Teaching Experience

AY23/24 Winter	UofT	<i>MAT223 Linear Algebra</i>
AY23/24 Winter	UofT	<i>MAT224 Linear Algebra II</i>
AY23/24 Fall	UofT	<i>MAT309 Mathematical Logic</i>
AY22/23 Fall/Winter	UofT	<i>MAT133 Calculus and Linear Algebra for Commerce</i>
AY22/23 Fall	UofT	<i>MAT223 Linear Algebra</i>
AY19/20 Semester 2	NUS	<i>CS1231 Discrete Structures</i> Teaching Feedback Score: 4.2/5.0.
AY19/20 Semester 1	NUS	<i>CS1231 Discrete Structures</i> Teaching Feedback Score: 4.8/5.0.