

# Clement Yung

Department of Mathematics, Faculty of Arts and Science  
University of Toronto  
1 King's College Cir, Toronto, ON, Canada M5S 1A8

Last updated: November 24, 2024  
[clement.yung@mail.utoronto.ca](mailto:clement.yung@mail.utoronto.ca)  
<https://clementyung.github.io>

## 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, and in particular topological Ramsey-space like spaces which do not necessarily satisfy the pigeonhole principle.

## Talks

Nov 2024	<i>An alternative proof to the Mathias-Silver theorem using the Kastanas game</i> , 2024 CMS Winter Meet, Vancouver
Oct 2024	<i>Weak <math>A_2</math> spaces, the Kastanas game and strategically Ramsey sets</i> , Logic seminar, University of Maryland
Mar 2024	<i>Weak <math>A_2</math> spaces and Ramsey games</i> , Fields Institute, 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 <sup>th</sup> , 93 <sup>th</sup> , 89 <sup>th</sup> (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

AY24/25 Fall/Winter	UofT	<i>MAT137 Calculus with Proofs</i>
AY24/25 Fall	UofT	<i>MAT309 Mathematical Logic</i>
AY24/25 Fall	UofT	<i>MAT409 Set Theory</i>
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.