

# TRUNG-NGHIA NGUYEN

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## EDUCATION

B.S. Honor Program in Mathematics, VNUHCM-University of Science (VNUHCM-US), 2021:  
GPA: 9.55/10 overall, 9.74/10 in Mathematics (Rank 1st).

## PUBLICATIONS

1. L.Q. Danh, N.T. Nghia, N.K. Ngoc, Subpermutable subgroups of skew linear groups and unit groups of real group algebras, *Bull. Korean Math. Soc.* **58** (2021), no. 1, 225–234.

## RESEARCH EXPERIENCE

7. Research Experience for Undergraduates (REU), Hanoi Institute of Mathematics, *September 7–November 6, 2020*:  
Final report *A note on Tannakian categories* supervised by Professor Phung Ho Hai.
6. Undergraduate Summer School “Number Theory Informed by Computation”, Park City Mathematics Institute (PCMI), Salt Lake City, Utah, *July 5–25, 2020. Postponed until 2022, due to COVID-19 Pandemic.*
5. SEAMS School “Arithmetic, Geometry and Model Theory”, Hanoi Institute of Mathematics, *February 17–28, 2020.*
4. The IMH-School “Introduction to Algebraic Schemes and Cohomology”, Hanoi Institute of Mathematics, *November 11–22, 2019.*
3. Summer Course “An Introduction to Geometric Group Theory” by Professor Nhan-Phu Chung, VNUHCM-US, *August 12–14, 2019.*
2. Undergraduate Summer School by Vietnam Institute for Advanced Study in Mathematics (VIASM), Phu Yen University, *July 8–21, 2019.*
1. Projects in Mathematics and Applications (PiMA), as Student Participant, *August 2017*:  
Final project *Optimizing the number of buses on each line by Linear Programming* mentored by Trung Can.

## TALKS AND PRESENTATIONS

Workshop “Tannakian Categories” by Professor Phung Ho Hai, online, *August 23, 2021.*  
12th VNUHCM-US Scientific Conference, *December 18, 2020.*  
REU Symposium, Hanoi Institute of Mathematics, *September 24, 2020.*

## TEACHING EXPERIENCE

Teaching Assistant, MTH00086 Discrete Mathematics, VNUHCM-US, *Fall 2021.*  
Mentor, Linear Algebra and Abstract Algebra, VNUHCM-US, *Spring 2021*:  
Lectures on problem-solving strategies for 5 selected students to take part in Vietnam Mathematical Olympiad for Undergraduates.  
Mentor and Counselor, Projects in Mathematics and Applications (PiMA), *August 2018 and 2019*:  
Lecture note *Introduction to Linear Algebra* (joint work with Linh Tran and Trung Can).

## AWARDS AND HONORS

VIASM Scholarship for Prominent Undergraduates in Mathematics, *2018–2021.*  
Odon Vallet Scholarship, *2019.*  
1st Prize in Analysis, Vietnam Mathematical Olympiad for Undergraduates, *2019.*  
2nd Prize in Algebra, Vietnam Mathematical Olympiad for Undergraduates, *2019.*  
3rd Prizes in Algebra and Analysis, Vietnam Mathematical Olympiad for Undergraduates, *2018.*

## TECHNICAL SKILLS

L<sup>A</sup>T<sub>E</sub>X, C, MATLAB, Python, R.