

Tung Tho Nguyen

CONTACT

INFORMATION

Department of Mathematics
The University of Chicago
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EDUCATION

PhD in Mathematics, The University of Chicago

2020 (expected)

- Advisor: Professor Kazuya Kato
- Thesis: Special values of L -functions over global fields.

M.S in Mathematics, The University of Chicago

2016

- Advisor: Professor Kazuya Kato
- Topic proposal: p -adic L -functions of elliptic curves with complex multiplication.

B.S in Mathematics, Vietnam National University

2009-2014

- Senior thesis advisor: Professor Ralph Greenberg
- Senior thesis: On the norm of the fundamental units in real quadratic number fields.

RESEARCH

INTERESTS

I am interested in number theory; specifically zeta values, Iwasawa theory, and Hida theory.

PUBLICATIONS AND

PREPRINTS

- Heights and Tamagawa numbers of motives (preprint, available [here](#))
- Tamgawa number conjecture for a p -adic family of F -crystals (preprint, available [here](#))
- Research experiences for undergraduates at VNU (published as a book)

TEACHING

EXPERIENCES

- Current teaching: MATH 15200 (via Zoom)
- 2013: TA for a course in Galois theory (Professor Le Minh Ha.)
- 2014: Introduction to Statistics (Vietnam National University)
- 2015-2016: College Fellow for IBL Honors Calculus.
- 2016-2017: Lecturer for MATH 13100-13200-13300 (Elementary functions and calculus).
- 2017-2018: Lecturer for MATH 13100-13200-13300 (Elementary functions and calculus).
- 2018-2019: Lecturer for MATH 15200-15300 (Elementary functions and calculus).
- Summer 2019: Lecturer for the CAAP summer program at UChicago.
- 2019-2020: Lecturer for MATH 15100-15200 (Elementary functions and calculus).

AWARDS AND
SCHOLARSHIPS

- PI4-IMA fellowship, 2020
- National Program for the Development of Mathematics scholarship, 2014
- The prominent young students of Vietnam National University, 2013
- Watanabe-Kanda scholarship for outstanding students in the department of mathematics, 2012, 2013
- Honda Young Engineers and Scientists award for top 10 Vietnamese students in STEM fields, 2013.
- Second prize in Vietnam Mathematical Olympiad, 2009

SERVICES

- Co-organizer and speaker for the following learning groups at UChicago: etale cohomology (Fall 2015) and p -adic Hodge theory (Winter and Spring 2017).
- Mentored 3 projects for the Directed Reading Program (Spring 2016 and Fall 2017, Spring 2019).
- Mentored 2 projects during the REU program at UChicago (Summer 2016).

CONFERENCES AND
WORKSHOPS

- Arithmetic of low dimensional abelian varieties, ICERM 2019.
- Arizona Winter School 2018: Iwasawa theory.
- Arizona Winter School 2017: Perfectoid spaces.
- Interactions between Representation Theory and Algebraic Geometry, Chicago 2017.

COMPUTER SKILLS • Python • Machine learning • Probabilistic programming with PyMC3

CITIZENSHIP Vietnamese.