SHUANG-YEN (SEAN) LEE

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EDUCATION

National Taiwan University — September 2017 - August 2021
Bachelor of Science of Mathematics — *Taipei, Taiwan*

· Selected relevant curriculums completed:
Differential Geometry, Algebraic Geometry, Statistics, Discrete Geometry Analysis, Ellipitic Curves and Modular Symbols, Algebra (Honor Program), Analysis (Honor Program), Complex Analysis (Honor Program), Geometry (Honor Program)
· GPA: 4.2/4.3
· Rank in class: 2/66
· Bachelor's Thesis: *Characterizing algebraic curves using p-adic norms*

National Taiwan University — September 2021 - present
PhD in Mathematics — *Taipei, Taiwan*

· Preprint paper: *Global Igusa zeta function and K-equivalence, arXiv:2210.06767*

WORK EXPERIENCE

Introduction to Mathematical Analysis Teaching Assistant — September 2018 - June 2019
National Taiwan University — *Taipei, Taiwan*

Algebra (Honor Program) Teaching Assistant — September 2019 - June 2020
National Taiwan University — *Taipei, Taiwan*

IMO 2020 — June 2020 - September 2020
National Central University — *Taoyuan, Taiwan*

· IMO 2020 Taiwan team Observer A

Calculus Teaching Assistant — September 2020 - June 2021
National Taiwan University — *Taipei, Taiwan*

Complex Analysis Teaching Assistant — September 2021 - June 2022
National Taiwan University — *Taipei, Taiwan*

Lie Groups and Lie Algebras Teaching Assistant — September 2022 - January 2023
National Taiwan University — *Taipei, Taiwan*

Intersection Theory Teaching Assistant — March 2023 - June 2023
National Taiwan University — *Taipei, Taiwan*

RESEARCH

Characterizing algebraic varieties using p-adic norms — January 2021 - Present
National Taiwan University — *Taipei, Taiwan*

· Supervisor: Chin-Lung Wang

LANGUAGES & COMPUTER SKIILS

Chinese (native), English (conversational), C/C++, Python, LaTeX

AWARDS

International Math Olympiad Silver Medal (2017)

Dean's List Award (6 times)

Dean's Award of College of Science (2021)

Kung-sing Shih's Scholarship for Bachelor's Thesis (2021)