Hanul Jeon

310 Mallot Hall, Cornell University – Ithaca, NY 14853 – United States

hj344@cornell.edu • https://hanuljeon95.github.io/

Last updated: Dec 22, 2021

Education

Ph.D. **Mathematics**
Cornell University, Advisor: Justin Moore *Aug 2021 –*

M.Sc. **Mathematics**
Seoul National University, Advisor: Otto van Koert *Mar 2017 – Feb 2021*
Thesis: *Constructive Ackermann's interpretation*

B.Sc. **Mathematics**
Sunkyunkwan University *Mar 2013 – Feb 2017*

Experience

Republic of Korea Air Force
Compulsory military service *Aug 2017 – Jul 2019*

Publications

[1] Kinkar Ch Das, Han-ul Jeon, and Nenad Trinajstić. "Comparison between the Wiener index and the Zagreb indices and the eccentric connectivity index for trees". In: *Discrete Applied Mathematics* 171 (2014), pp. 35–41.

[2] Hanul Jeon. "Constructive Ackermann's interpretation". To appear in: *Annals of Pure and Applied Logic*.

[3] Hanul Jeon and Richard Matthews. "Very large set axioms over constructive set theories". In preparation.

Teaching Experiences

Tutor
Sublime Learning Community Tutoring *Spring, Summer, Fall 2020*
Covered Mathematics and its practice (Spring 2020) and Mathematics for biological scientists (Summer 2020, Fall 2020).

Grader
Mathematics for ecologists *Fall 2020*

Teaching Assistant and Grader
Advanced Mathematics and its practice II. *Fall 2020*
Equivalent to Multivariable Calculus Honors. Managed students' presentation.

Teaching Assistant and Grader
Logic and Set theory *Spring 2020*

Teaching Assistant and Grader
Mathematics and its practice II. *Fall 2019, Summer 2020, Winter 2020*
Equivalent to Multivariable Calculus. Managed an exercise course.

Teaching Assistant and Grader
Mathematics and its practice I. *Spring 2017, Spring 2019*
Equivalent to Calculus. Managed an exercise course.

Tutor
Sunkyun Tutoring for Advanced Algebra *Spring 2016*
Covered Chapters 4 and 5 of Hungerford's *Algebra*

Grants and Fellowships

The National Scholarship for Science and Engineering: *Mar 2013 - Dec 2016*

Talks

Complexity among the finitely generated subgroups of Thompson's group — **Cornell University**
Cornell Logic Seminar — *Sep 2021*

Goodstein's theorem — **Seoul National University**
Madmathematics Seminar — *Oct 2016*

What is forcing? — **Seoul National University**
Madmathematics Seminar — *Nov 2015*

A Short introduction to mathematical logic — **Sogang University**
Madmathematics Seminar — *Jan 2014*