

Inyoung Ryu

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INTERESTS

Teichmüller Theory, Low-dimensional Topology, Geometric Group Theory

EDUCATION

Texas A&M University

Ph.D. in Mathematics

Aug.2021 – Present

Texas, US

Ulsan National Institute of Science and Technology(UNIST)

Bachelor of Science in Mathematical Science

Mar.2017 – Jul.2021

Ulsan, Korea

- Minor in Computer Science and Engineering
- Total GPA of 3.99 / 4.3 (95.9 / 100)

Sabanci University

Erasmus Program

Feb. 2020 – Jun. 2020

Istanbul, Turkey

RESEARCH/STUDY EXPERIENCES

Reading Course with Prof. Tian Yang

Texas A&M University

Feb. 2022 – May. 2022

Texas, US

- Mapping Class Group and Teichmüller Theory
- Knot Theory. Jones Polynomial and Alexander Polynomial

Reading Course with Prof. Guoliang Yu

Texas A&M University

Feb. 2022 – May. 2022

Texas, US

- Fredholm Operator and Higher index Theory

Reading Course with Prof. Irina Bobkova

Texas A&M University

Sep. 2022 – May. 2023

Texas, US

- Algebraic Topology, Stable Homotopy Theory

Low dimensional Topology Seminar

Texas A&M University

Feb. 2022 – May. 2023

Texas, US

Interdisciplinary Project

Ulsan National Institute of Science and Technology

Sep. 2020 – Feb. 2021

Ulsan, Korea

Undergraduate Research Assistant

Ulsan National Institute of Science and Technology

Jul. 2019 – Aug. 2019

Ulsan, Korea

PARTICIPATED CONFERENCES/WORKSHOPS/SEMINARS

Conference on Characters and Moduli of Surfaces

Kyoto University

Jul. 2023

Kyoto, Japan

Summer School on Scissors Congruence, Algebraic K-Theory, and Trace Methods

Indiana University

Jun. 2023

Indiana, US

Workshop in Geometric Topology

Colorado College

Jun. 2023

Colorado, US

Graduate Student Topology and Geometry Conference

Georgia Institute of Technology

Mar. 2022

Georgia, US

Winter school in singularities and low-dimensional topology

Rényi Institute

Jan. 2023

Budapest, Hungary

Graduate Student Topology and Geometry Conference

Georgia Institute of Technology

Apr. 2022

Georgia, US

Texas Geometry and Topology Conference

The University of Texas at Dallas

Feb.2022

Texas, US

The South Central Topology Conference

Texas A&M University

Arizona Winter School

Sep. 2021

Texas, US

Jan.2021-Feb.2021

Arizona, US

International Congress of Mathematicians(ICM)

Aug. 2014

Seoul, Korea

TEACHING EXPERIENCES

Teaching Assistant(Engineering Math I)

Texas A&M University

Aug. 2022 – Present

Texas, US

Teaching Assistant(Calculus I, Calculus II)

Ulsan National Institute of Science and Technology

Mar. 2018 – Dec. 2019

Ulsan, Korea

Calculus I Open Lecture

Ulsan National Institute of Science and Technology

6/2/2018

Ulsan, Korea

LEADERSHIP EXPERIENCES

Treasurer

Association for Women in Mathematics (Texas A&M, 60 members)

Aug.2022 - May.2023

Texas, US

- Women in Math Mentoring Lunch
- AWM peer mentoring program