Inyoung Ryu

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INTERESTS

Teichmüller Theory, Low-dimensional Topology, Geometric Group Theory

EDUCATION

Texas A&M University   Aug.2021 – Present
Ph.D. in Mathematics   *Texas, US*

Ulsan National Institute of Science and Technology(UNIST)   Mar.2017 – Jul.2021
Bachelor of Science in Mathematical Science   *Ulsan, Korea*

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

Sabanci University   Feb. 2020 – Jun. 2020
Erasmus Program   *Istanbul, Turkey*

RESEARCH/STUDY EXPERIENCES

Reading Course with Prof. Tian Yang   Feb. 2022 – May. 2022
Texas A&M University   *Texas, US*

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

Reading Course with Prof. Guoliang Yu   Feb. 2022 – May. 2022
Texas A&M University   *Texas, US*

- Fredholm Operator and Higher index Theory

Reading Course with Prof. Irina Bobkova   Sep. 2022 – May. 2023
Texas A&M University   *Texas, US*

- Algebraic Topology, Stable Homotopy Theory

Low dimensional Topology Seminar   Feb. 2022 – May. 2023
Texas A&M University   *Texas, US*

- Smooth 4-Manifolds and Intersection Forms
- Teichmüller theory, Nielson-Thurston Classification

Interdisciplinary Project   Sep. 2020 – Feb. 2021
UNIST   *Ulsan, Korea*

Undergraduate Research Assistant   Jul. 2019 – Aug. 2019
UNIST   *Ulsan, Korea*

PARTICIPATED CONFERENCES/WORKSHOPS/SEMINARS

Conference on Characters and Moduli of Surfaces   Jul. 2023
Kyoto University   *Kyoto, Japan*

Summer School on Scissors Congruence, Algebraic K-Theory, and Trace Methods   Jun. 2023
Indiana University   *Indiana, US*

Workshop in Geometric Topology   Jun. 2023
Colorado College   *Colorado, US*

Graduate Student Topology and Geometry Conference   Mar. 2022
Georgia Institute of Technology   *Georgia, US*

Winter school in singularities and low-dimensional topology   Jan. 2023
Rényi Institute   *Budapest, Hungary*

Graduate Student Topology and Geometry Conference	Apr. 2022
Georgia Institute of Technology	*Georgia, US*
Texas Geometry and Topology Conference	Feb.2022
The University of Texas at Dallas	*Texas, US*
The South Central Topology Conference	Sep. 2021
Texas A&M University	*Texas, US*
Arizona Winter School	Jan.2021-Feb.2021
University of Arizona	*Arizona, US*
International Congress of Mathematicians(ICM)	Aug. 2014
	Seoul, Korea

Teaching Experiences

Teaching Assistant(Engineering Math I)	Aug. 2022 – Present
Texas A&M University	*Texas, US*
Teaching Assistant(Calculus I, Calculus II)	Mar. 2018 – Dec. 2019
Ulsan National Institute of Science and Technology	*Ulsan, Korea*
Calculus I Open Lecture	6/2/2018
Ulsan National Institute of Science and Technology	*Ulsan, Korea*

Leadership Experiences

Treasurer	Aug.2022 - May.2023
Association for Women in Mathematics (Texas A&M, 60 members)	*Texas, US*

- Women in Math Mentoring Lunch

- AWM peer mentoring program