

Mihyun Kim

✉ ilovewjddntjd@gmail.com | ☎ +1-437-734-2508 | Toronto, Ontario, Canada

Education

Centennial College, Toronto, Canada

Diploma in Software Engineering Technician (2024 – Present)

- Courses: Object-Oriented Programming (C#, JavaScript), SQL Databases, Algorithms, Systems Design, Data Structures
- GPA: In progress
- Purpose: Building technical skills to complement mathematical background for research in data science and modeling

Dankook University, South Korea

Bachelor of Science in Mathematics Education

- Major Subjects: Real Analysis, Complex Variables, Discrete Mathematics, Linear Algebra, Probability, Differential Equations, Topology, Modern Algebra
- Teaching Practicum and advanced mathematics curriculum completed in final year

Research Interests

- Mathematical Modeling in Data Science
- Predictive Analysis using Applied Mathematics
- Differential Equations and Dynamical Systems
- Statistical and Computational Methods for Data Exploration
- Education Data Mining (as an interdisciplinary interest)

Professional Experience

K-Math Corporation, Seoul, South Korea

Lead Mathematics Instructor

Aug 2023 – Aug 2024

- Taught high school students advanced mathematics with focus on logic, proof strategies, and calculus
- Supported top-tier students aiming for university-level STEM programs

Private Mathematics Institute (Founder & Director), Seoul, South Korea

Mar 2008 – Jul 2023

- Ran a high-level math institute serving 12th-grade students; developed personalized instruction in calculus, algebra, and mathematical logic
- Created live problem-solving sessions to model real-time critical thinking and iterative approaches
- Maintained over 90% student university acceptance rate; many students pursued STEM-related fields

- Guided students through unfamiliar mathematical situations—encouraging modeling, hypothesis-testing, and abstraction

Neoedu Corp., Seoul, South Korea

Mathematics Content Developer

Jan 2002 – Dec 2004

- Produced instructional content and structured assessments for students in grades 7–12
- Participated in early efforts to modularize math learning through components; offered critique on over-standardization risks in concept formation

Skills & Tools

Mathematical:

- Modeling, Proof Writing, Problem Solving, Statistics

Computing & Programming:

- Python (basic data analysis), C#, JavaScript, SQL
- Tools: Visual Studio, Git, LINQ, Windows Forms

Soft Skills:

- Analytical Thinking, Independent Work, Teaching & Mentorship, Communication

Languages:

- Korean (native), English

Honors & Achievements

- Award of Excellence in Teaching, Dankook University Alumni (2009)

Additional Information

- Currently strengthening technical programming skills in preparation for research in computational modeling