

Joshua Im

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Education

Texas A&M University Aug 2024 - May 2028 (Expected)

Mathematics (BS) Honors

GPA: 4.00 / 4.00

- **Current Coursework:** Fourier Series and Wavelets, Analysis on the Real Line, Linear Algebra, Differential Equations
- **Completed Coursework:** Several Variable Calculus, Foundations of Mathematics, The Putnam Challenge

Mathematical Background

PROMYS (Program in Mathematics for Young Scientists) Jul - Aug 2022 & 2023

- Participated in a rigorous summer program focused on advanced mathematics
- Attended lectures: Number Theory, Modular Forms, Primes and Zeta Functions
- Worked on a research project in *Continued Fractions on the Heisenberg Group* under faculty guidance

Advanced Mathematical Studies (Pre-University)

- Completed courses: Vector Calculus, Differential Equation, Linear Algebra, Discrete Mathematics
- Audited courses: Real Analysis, Complex Analysis, Abstract Algebra, Topology, Introduction to Partial Differential Equations Mar - Jul 2024

Teaching

- Problem Solving Instructor, Texas A&M University Math Club Sep 2024 - Current

Honors & Awards

- William Lowell Putnam Competition, Score 23, Rank 404 Dec 2024
- USA Mathematical Olympiad (USAMO) Qualifier Mar 2022 & 2024
- AMC Distinguished Honor Roll (Top 1%) Oct 2023
- American Regions Math League (ARML) National Representative Jun 2023

Skills & Interests

- **Mathematical Software:** \LaTeX
- **Languages:** English (Fluent), Korean (Fluent)
- **Interests:** Complex Analysis, Number Theory