Seojoon (Roy) Kang

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EDUCATION

Princeton University, *Princeton, NJ*   Sep 2025 – Present
- Bachelor of Arts in **Mathematics**, Minor in **Optimization and Quantitative Decision Science (Prospective)**

St. Mary's College Preparatory High School, *Manhasset, NY*   Sep 2021 – May 2025
The Mountain School of Milton Academy, *Vershire, VT*   Aug 2023 – Dec 2023
- <u>GPA:</u> Cumulative: 4.0/4.0
- <u>Coursework:</u> Multivariable Calculus   Jan 2025

HONORS

Attendee, Mathematical Olympiad Program (MOP; IMO Training camp)   Jun 2023
Silver Award, USA Mathematical Olympiad (USAMO)   Mar 2023
Honorable Mention, USA Mathematical Olympiad (USAMO)   Mar 2024, 2025
Essay Finalist, John Locke Essay Competition   Jun 2023
Top 1%, Distinguished Honor Roll, AIME/AMC   2022 – 2025
Gold & Silver Medal, International Genetically Engineered Machine (iGEM)   2023 – 2024

EXPERIENCE

Murex Partners Venture Capital   Jun 2025 – Aug 2025
Private Equity Intern   *Seoul, South Korea*
- Supported deal sourcing by analyzing startup pitches and preparing investment memos for an $300M AUM fund.
- Conducted research on AI-driven roll-up strategies in B2B services, benchmarking global comparables such as Constellation Software, Shield Technology Partners, and Thoma Bravo.
- Contributed to Investor Relations by preparing materials and research summaries used in LP communications.

National Museum of Mathematics (MoMath)   Sep 2022 – May 2025
Integrator Intern   *New York, NY*
- Interacted with thousands of visitors, explaining advanced math concepts through interactive exhibits.
- Collaborated with staff on exhibit improvements and public education strategies.

RESEARCH

Co-Author, Detection of Regime Changes in the US Financial Market
- Supervised by Prof. Raphael Douady, Paris 1 Panthéon-Sorbonne University
- https://t.ly/uHjwC

Co-Author, Verification of the Weil conjectures for cell complexes related to n-dimensional projective space
- Supervised by Prof. Robert Bell, New York Institute of Technology
- https://t.ly/awccI

Research Scientist, Detect and Combat Staphylococcus aureus Infections through Engineered Quorum Sensing
- Supervised by Dr. David Frank, New York University Lab at Langone

LEADERSHIP

***Co-Leader*, Computational Team, iGEM** (global biotech startup competition)   Dec 2021 – Nov 2024
- Led 25 students on wet lab research at NYU Langone Lab.
- Organized meetings with patients, doctors, FDA officials, biotech founders and developed a business plan.
- Presented to judges at iGEM Grand Jamboree in Paris, France. Top 10 high school division.