

Junhyeok Kil

kilj@purdue.edu
kilyjun.github.io

Education

Purdue University 2026–2030

Ph.D., Quantitative Methods, Daniels School of Business

Advisor: Tongseok Lim

Purdue University 2020–2025

B.S., Data Science, Mathematics, Statistics

Graduate Coursework: Numerical Optimization[†] · Multiple-Objective Optimization[†] · Linear Algebra with Applications · Graph Theory · Optimal Transport and Unsupervised Learning · Human-Computer Interaction · Introduction to Quantum Computing[†]
[†]*In progress*

Awards

Google TPU Research Award 2026–2027

\$25,000 in compute credits, PI: Tongseok Lim

Gordon L. Walker Scholarship in Mathematics 2024–2025

\$3,000, Merit-based, Department of Mathematics, Purdue University

Munich Re Cup North America, Finalist 2024

Represented Purdue University in the final round at Munich Re's New York office

Publications

- [1] **Junhyeok Kil**, Akshay Jacob Thomas, Eduardo Barocio, and Ilias Bilionis.
Physics-Informed Neural Networks to Accelerate Heat Transfer Predictions in Additive Manufacturing.
SAMPE Conference Proceedings, pp. 1117–1130, 2025.

Talks

SAMPE Conference and Exhibition, Indianapolis, IN May 2025

Teaching

Instructor

QM 30500: Business Statistics, Purdue University Fall 2026

Teaching Assistant

CS 47001: Introduction to Artificial Intelligence, Purdue University Fall 2025

CS 24200: Introduction to Data Science, Purdue University Fall 2024

CS 17600: Data Engineering in Python, Purdue University Spring 2024