

Jennifer J. Kim

jennkim.github.io

Cell: (678) 951-3741
Email: jjk358@cornell.edu

307 College Ave.,
Ithaca, NY 14850

EDUCATION

Cornell University, College of Arts & Sciences, Ithaca, NY Expected May 2025
B.A. in Mathematics (GPA: 3.67; Dean's List)
Minors in Operations Research and English

The Gwinnett School of Mathematics, Science, and Technology (GSMST), Lawrenceville, GA 2016-2020
National Merit Semifinalist, National AP Scholar, National Spanish Exam Gold Medalist, ACT (36/36)

RELEVANT COURSEWORK

Mathematics: Honors Introduction to Analysis, Probability, Linear Algebra, Abstract Algebra, Classical Geometries, Mathematical Modeling, Multivariable Calculus, Calculus I and II

Operations Research & Computer Science: Optimization I*, Simulation Modeling & Analysis*, Learning with Big Messy Data*, Object-Oriented Programming and Data Structures, Introduction to Computing Using Python

* = Cross-listed with graduate-level course

Other: Financial Accounting, Intermediate Microeconomics, Introduction to Macroeconomics

WORK AND RESEARCH

TRIPODS Research Program, University of Rochester Summer 2023

- TRIPODS (Transdisciplinary Research In Principles Of Data Science) NSF Participant
- Researched Kolmogorov complexity as a measure of forecastability for retail analytics time series data
- Modeled seizures and explored surrogate data testing, utilizing methods like Fast Fourier transform

Cornell University Math Department, Calculus I Course Assistant Fall 2022 - Present

- Lead weekly sections and tutor students, create assignment rubrics, grade student work

Cornell University Library, Student Library Assistant Fall 2021 - Spring 2023

- Managed graduate carrels, assisted patrons at front desk, processed library materials

EXTRACURRICULAR ACTIVITIES

Cornell Association for Women in Mathematics Fall 2022-Present

- Plan, organize, and lead all social events as undergraduate Social Events Co-Chair
- Coordinate and organize community events, e.g. Julia Robinson Math Festival, as Outreach Co-Chair

The Cornell Tradition, Fellow Fall 2021-Present

- One of 500 fellows (less than 4% of undergraduates) recognized by Cornell University for "significant work experience, campus and/or community service, and academic achievement."
- Volunteer for Cornell Tradition-specific events and organizations such as Prisoner Express

Women in Computing Cornell Fall 2021- Present

Cornell Philharmonia Fall 2022-Spring 2023

Cornell Digital Humanities Fall 2021- Spring 2022

Volunteer Tax Income Assistance (VITA) Fall 2016-Spring 2020

SKILLS AND INTERESTS

Technical: Python, Java, Matlab, LaTeX, AutoCAD, Autodesk Inventor, MS Excel & PowerPoint, Google Suite

Data Science: Scikit-learn, Matplotlib, NumPy, Pandas, PyTorch, TensorFlow/Keras, FB Prophet, Jupyter Notebooks, Google Colab, SQL*, Tableau* (* = on schedule to learn through Spring '24 course)

Languages: English (fluent), Korean (fluent); Spanish (beginner)

Interests: Long-form Journalism, Literature, Chemistry, Music Curation and Performance (Oboe, Piano)