

JONATHAN KYUNGJOON LEE

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EDUCATION

University of Chicago: Booth School of Business, Chicago, IL 2026-Present
Ph.D. Economics

Carnegie Mellon University, Pittsburgh, PA May 2024
Bachelor of Science, Economics and Statistics

WORK EXPERIENCE

Research Analyst, Federal Reserve Bank of New York 06/24-06/26
Collaborated with the Consumer Credit Panel team to analyze trends in consumer debt and defaults. Contributed to the production of the NYFRB Household Debt and Credit Report, a widely cited quarterly publication that informs policymakers, researchers, and the public on the state of household financial health. Supported the development of internal briefings for the FOMC cycle. Assisting with a project using modern machine learning techniques to predict future Alzheimer's diagnosis using a combination of Medicare and credit bureau data.

Research Assistant, University of Chicago: Booth, Chicago, IL 06/22-09/23
Worked with Dr. Luigi Zingales and the Stigler Center for the Study of the Economy and the State on a project investigating economists as expert witnesses in antitrust litigation. Managed and maintained a MongoDB database, ensuring optimal performance and data integrity. Developed classifiers using cutting-edge NLP techniques, including BERT and GPT-3, to identify pro-business outcomes in US court cases.

PROGRAMMING AND TECHNICAL SKILLS

Languages and Tools: Python, Pytorch, TensorFlow, Keras, C, R, SQL, STATA, MongoDB, Tableau

Machine Learning & Deep Learning: Experience building and fine-tuning models including GPT, BERT, and Ollama

Data Engineering: Proficient with Dask, Pandas, Arrow, and Parquet for large-scale data wrangling and pipeline construction.

Natural Language Processing (NLP): Designed and deployed NLP pipelines using transformer models for classification, summarization, and embedding generation on millions of text records across legal and economic domains.

Version Control & Collaboration: Git, GitHub, Domino Enterprise; experience in Agile research workflows.

OTHER EXPERIENCE

Teaching Assistant, Carnegie Mellon University, Pittsburgh, PA 08/22-12/22, 08/23-12/23
Led weekly recitations and taught concepts at the intersection of economic analysis, computing, and statistics using the R programming language. TA for Dr. Karam Kang (Fall 2022), and Dr. John Gasper (Fall 2023).

Student Mentor, Carnegie Mellon Moneythink, Pittsburgh, PA 08/21-12/21, 08/22-12/22
Worked with a group of other CMU students to teach a class of 22 high school students about how to make informed immediate and long-term financial decisions and how to build financial wellness habits.

AWARDS

Member, Omicron Delta Epsilon