

COLE FRANK

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA September 2025 - Present

- Ph.D. program, Heinz College of Information Systems and Public Policy
- Research focus: Evaluation methods for privacy-preserving machine learning, fairness-privacy tradeoffs
- Advisors: Dr. Rayid Ghani, Dr. Sarah Cen

University of Chicago, Chicago, IL September 2020 - March 2023

- M.S. in Computational Analysis and Public Policy
- Coursework in programming, causal inference, databases, algorithms, deep learning, NLP

Carleton College, Northfield, MN August 2011 - June 2015

- B.A. in Political Science/International Relations, minor in Political Economy

EXPERIENCE

Software Engineering Institute – Carnegie Mellon University, Pittsburgh, PA August 2023 - May 2025

Associate AI Workforce Development Engineer

- Co-authored [a paper](#) proposing a novel evaluation of machine unlearning algorithms for erasing training data in neural networks (accepted for publication at the [2024 IEEE Security & Privacy DLSP workshop](#))
- [Evaluation](#) of the feasibility of using LLMs for intelligence work for the Office of the Director of National Intelligence (ODNI)

Heinz College – Carnegie Mellon University, Pittsburgh, PA August 2024

Adjunct Instructor

- Taught session on large language models for the M.S. in Information Technology program

The Gradient April 2024 - Present

Editor

- Editing and writing for a publication focused on AI news and research (50,000+ subs on [Substack](#))

Harris School of Public Policy – University of Chicago, Chicago, IL December 2021 - August 2023

Research Engineer for Dr. Jeffrey Grogger

- Data engineering and analysis in support of economic research projects that included:
 - Statistical [evaluation](#) of the effects of different approaches to domestic violence reduction
 - Classification of unlabeled criminal appeals documents via fine-tuned LLMs

University of Chicago Chicago, IL December 2021 - December 2022

Graduate Teaching Assistant, Department of Computer Science

- Received program-wide, annual award for best teaching assistant
- Courses:
 - Mathematics for Computer Science and Data Analysis (CAPP 30271)
 - Machine Learning for Public Policy (CAPP 30254)

Munich Re, New York, NY June 2021 - August 2021

Data Science and Ethics Intern

- Implemented bias assessments of ML models being used for the review of life insurance applicants
- Co-authored a [survey](#) of methods for ML bias monitoring and mitigation in industry

AllianceBernstein, New York, NY September 2018 - December 2019

Macroeconomic Consultant, Sell-Side Research

- Authored weekly reports on the implications of U.S. economic data and policy for sell-side clients

Council on Foreign Relations, New York, NY February 2016 - September 2018

Research Associate

- Published macroeconomic analysis cited by [Bloomberg News](#), the [Financial Times](#), [Barron's](#), [The New York Times](#), and [The Wall Street Journal](#)

TECHNICAL SKILLS

- Experienced with Python (PyTorch, SciPy, HuggingFace transformers, spaCy, NLTK), Linux, R (tidyverse), SQL, Tableau, Markdown, LaTeX, Azure Cloud