

Linda Lu

Email: lgl46@cornell.edu
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Education

Cornell University Ph.D. in Computer Science Advisor: Karthik Sridharan Research Area: Theory of Machine Learning, Responsible AI	2023 - 2028
University of Pennsylvania B.S. in Computer Science B.S. in Economics (Operations Management Concentration) Jerome Fisher Management and Technology Program	2019 - 2023

Awards

NSF Research Traineeship (NRT) Fellowship	Spring 2026
Cornell LinkedIn PhD Fellowship Project: A New Algorithmic Design Principle for Privacy in Machine Learning	2024-2025
Outstanding TA Award - CS 6820 Graduate Analysis of Algorithms	Fall 2024
Outstanding TA Award - CS 4820 Analysis of Algorithms	Fall 2023
Penn Engineering Littlejohn Undergraduate Research Scholar	2020

Research Experience

Graduate Researcher

Year: 2023-Present
Institution: Cornell University
Advisor: Karthik Sridharan
Research in theoretical machine learning with a focus on designing and analysing trustworthy learning algorithms (privacy, fairness, machine unlearning) with theoretical guarantees

Undergraduate Researcher

Year: 2022-2023
Institution: University of Pennsylvania
Advisor: Vijay Kumar
Member of NSF IoT4Ag project developing online robot path-planning algorithms and object detection pipeline in order to efficiently identify and classify colorimetric sensors tracking plant health

Undergraduate Researcher

Year: 2020-2021
Institution: University of Pennsylvania
Advisor: Ani Nenkova
Developed innovative methods for identifying bias in language models for sentiment analysis tasks

Papers

Preprints

Predictability as a Fine-Grained Measure for Privacy

Linda Lu, Karthik Sridharan

Publications

System Aware Unlearning: Use Lesser, Forget Faster

Linda Lu, Ayush Sekhari, Karthik Sridharan

International Conference on Machine Learning 2025 (ICML 2025)

From Toxicity in Online Comments to Incivility in American News: Proceed with Caution

Anushree Hede, Oshin Agarwal, Linda Lu, Diana Mutz, Ani Nenkova

European Association of Computational Linguistics 2021 (EACL 2021)

Work Experience

Software Engineering Intern

Year: May 2022 - Aug 2022

Company: Bloomberg LP

Redesigned and improved a multi-tiered customizable caching system for equity data, using C++, by integrating local and cloud-based storages into one simple interface to streamline developer workflow

Software Engineering Intern

Year: Jun 2021 - Aug 2021

Company: Fidelity Investments

Designed, implemented, and deployed a new interactive portfolio management application using R and SQL, which automated data management and comparison during portfolio construction, leading to increased efficiency and accuracy

Teaching Experience

Instructional Fellow for SYSEN 6888

Institution: Cornell University

Course: Deep Learning

Semesters Taught: Spring 2026

Teaching Assistant for CS 6820

Institution: Cornell University

Course: Graduate Analysis of Algorithms

Semesters Taught: Fall 2024

Teaching Assistant for CS 4820

Institution: Cornell University

Course: Analysis of Algorithms

Semesters Taught: Fall 2023, Spring 2024

Teaching Assistant for OID 2360

Institution: University of Pennsylvania, Wharton School of Business

Course: Scaling Operations in Technology Ventures

Semesters Taught: Spring 2023

Teaching Assistant for CIS 1600

Institution: University of Pennsylvania

Course: Discrete Mathematics

Semesters Taught: Spring 2020, Summer 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022