

Christina X. Ji

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Education	PhD student. <i>MIT EECS</i> . GPA: 5.0/5.0 Research area: Machine learning for healthcare	Expected Jun 2024
	Master of engineering. <i>MIT EECS</i> . GPA: 5.0/5.0 Thesis: Modeling progression of Parkinson's disease	2019
	Bachelor of science. <i>MIT EECS</i> . GPA: 4.9/5.0	2019
Experience	<i>MIT EECS PhD student</i> <ul style="list-style-type: none">• Build machine learning models for clinical applications• Analyze data with SQL, Python, and statistical methods• Co-lead collaboration with a health insurance company <i>Genesis Therapeutics machine learning intern</i> <ul style="list-style-type: none">• Ran experiments with language and diffusion models to generate molecules for specific drug targets <i>LinkedIn data science intern</i> <ul style="list-style-type: none">• Performed causal analyses to measure effect of LinkedIn Learning features on engagement and revenue• Collaborated with data scientists and business partners <i>Previous internships at Philips healthcare, IBM research, Koch Institute for cancer research, and Janssen pharmaceuticals</i>	Sep 2019 – Jun 2023 – Aug 2023 Jun 2021 – Aug 2021
Papers	Large-scale study of temporal shift in health insurance claims. CX Ji , AM Alaa, and D Sontag. CHIL 2023. Oral spotlight. Finding regions of heterogeneity in decision-making via expected conditional covariance. J Lim*, CX Ji *, M Oberst*, S Blecker, L Horwitz, and D Sontag. NeurIPS 2021. *equal contribution Trajectory inspection: a method for iterative clinician-driven design of reinforcement learning studies. CX Ji *, M Oberst*, S Kanjilal, and D Sontag. AMIA virtual informatics summit 2021. *equal contribution	
Ongoing projects	<ul style="list-style-type: none">• Characterizing type 2 diabetes treatment decisions with real-world data• Evaluating causal effects of changes to patient trajectories	
Courses	<ul style="list-style-type: none">• Machine learning, Optimization, Probability theory, Algorithms for inference• Biochemistry, Organic chemistry, Cell biology, Cancer biology, Genetics• Teaching assistant for Introduction to Statistical Data Analysis• Instructor for Introduction to Statistical Hypothesis Testing	
Reviewing	Machine learning for health 2020 – 2023, Time series for health at ICLR 2024 and NeurIPS 2022, AMIA virtual informatics 2021, Bioinformatics 2019	
Community service	<ul style="list-style-type: none">• Mentor undergraduate and master's research projects• Help under-represented students prepare PhD applications• Co-president of MIT EECS graduate student association• Co-vice president of MIT EECS orientation and visit days	2019 – 2023 2020 – 2023 2022 2020 – 2021