

# John (Yogi) Sragow

62 Antrim Street #1, Cambridge, MA, 02139 | Phone: 917-282-7871 | Email: [ysragow@mit.edu](mailto:ysragow@mit.edu)

<b>Education</b>	<b>Massachusetts Institute of Technology</b>	Cambridge, MA
	Bachelor of Science in Mathematics and in Computer Science and Engineering, June 2023 Coursework includes: Interconnected Embedded Systems, Abstract Algebra, Real Analysis, Probability and Random Variables, Machine Learning, Cryptography, Topology, Advanced Algorithms, Theory of Computation, Systems	
	<b>Massachusetts Institute of Technology</b>	Cambridge, MA
	Candidate for Masters of Engineering, December 2024 Coursework includes: Inference and Graphical Models, Natural Language Processing, Inference and Information, Advanced Complexity Theory	
<b>Leadership Experience</b>	<b>Advanced Algorithms Research Paper</b>	November 2022 - December 2022
	Author <ul style="list-style-type: none"><li>Developed original polynomial-time algorithm for multiprocessor scheduling problem</li><li>Collaborated with other authors to develop polynomial-time approximation algorithms</li></ul>	
<b>Work Experience</b>	<b>Intro to Machine Learning</b>	September 2022 - Present
	Teaching Assistant <ul style="list-style-type: none"><li>Led recitations to help teach machine learning material to students</li><li>Gave checkoffs to ensure that students had finished labs</li><li>Answered questions pertaining to homework or course material</li><li>Helped to develop course website, which includes all labs and homeworks</li></ul>	
	<b>Upduo (Skale Education Inc.)</b>	Cambridge, MA
	Software Engineer Intern	June 2022 – August 2022
	<ul style="list-style-type: none"><li>Owned, designed, and completed middleware for all backend transactions</li><li>Located and removed deprecated endpoints</li><li>Collaborated with a team using GitHub via Git Bash</li></ul>	
	<b>MIT: Server GPS Mapping for Health Data</b>	West Orange, NJ
	Software Engineer Intern	June 2021 – June 2022
	<ul style="list-style-type: none"><li>Provide software support to project creating easy-to-use website for clinicians to track geographic patterns in diseases.</li><li>Constructed a server using Django containing a page that geographically maps health data in order to track disease clusters.</li><li>Maintained certificates to keep websites up and running</li></ul>	
	<b>MIT: Remote Clinical Trial Emulation</b>	West Orange, NJ
	Analytics Engineering Intern	June 2020 – August 2020
	<ul style="list-style-type: none"><li>Designed and constructed code that would allow for specifications for a drug repurposing clinical trial to be transformed into SQL requests to a database of historical data, which would form a cohort.</li><li>Used pandas and PostgreSQL to analyze patient information such as LOINCs, ICD9 and ICD10 diagnosis codes, drugs, procedure codes, and insurance information</li><li>Expedited process of remote clinical trials by dynamically generating SQL for a given specification, instead of the SQL having to be manually written</li></ul>	
<b>Skills</b>	Tools: Excel, LaTeX, pandas, PyTorch, Django, Virtual Machines, Ubuntu, React, Git, GitHub, Linux, Docker Programming Languages: Python, Javascript, Arduino, SQL, C++	