

Gloria Lin

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EDUCATION:

Massachusetts Institute of Technology

Cambridge, MA

Bachelor of Science (SB), Masters of Engineering (MEng)- Computer Science, GPA 4.9

Expected December 2021

- **Coursework:** Software Studio (6.170), Design and Analysis of Algorithms (6.046), Machine Learning (6.036), Artificial Intelligence (6.034), Computer Systems Engineering (6.033), Discrete Math (6.042), Linear Algebra (18.06), Probability (6.431), Software Construction (6.031), Computational Cognitive Science (6.804), Computational Photography (6.865), Algorithms (6.006), Computation Structures (6.004), Python Programming (6.009), Web Programming (6.148), Pokerbots (6.176)
- **Extracurricular Activities:** Borderline (Augmented Reality Murals) - President; Eta Kappa Nu (CS Honor Society); MIT Arts Scholar; Women in EECS - Publicity and Treasurer; The Tech (Newspaper) - Writer and Illustrator; Asian Dance Team

EXPERIENCE:

MIT Probabilistic Computing Project

Cambridge, MA

Research Assistant

Jan 2021~Present

- Investigating and building probabilistic programs to actively trade off exploration and exploitation to solve problems while inferring hidden structure in data

MIT Computer Science and Artificial Intelligence Lab (CSAIL)

Cambridge, MA

Undergraduate Researcher, Software Design Group- Wildcard

August 2020~Jan 2021

- Investigated and built platform for seamless sharing and discovery of end-user web customizations, empowering anyone to build modifications to websites to meet their own specific needs, and also share those customizations with others

Two Sigma Investments

New York, NY

Software Engineering Intern

May 2020~Aug 2020

- Develop end-to-end secure search service using gRPC, Protobuf, Kubernetes, Elasticsearch, PostgreSQL, jOOQ, Java, and Python

MIT Media Lab

Cambridge, MA

Undergraduate Researcher, Fluid Interfaces- Paper Dreams

January 2020~May 2020

- Developed new features for AI-assisted drawing application that uses machine learning for sketch recognition, classification, generation, and image coloring/texturing

Amazon Web Services

Seattle, WA

Software Development Engineer Intern

June 2019~Aug 2019

- Developed a full-stack replication progress tracking system using Java, AWS, Amazon Simple Workflow Service, Amazon Simple Notification Service, and DynamoDB

Massachusetts Institute of Technology

Cambridge, MA

6.004 and 6.009 Lab Assistant

February 2019~December 2019

- Teach students concepts for both intermediate-level programming and computer architecture classes during weekly office hours

PROJECTS:

Coexist - <https://coexist-mit.herokuapp.com>

Cambridge, MA

Responsive social scheduler web application using HTML, JavaScript, CSS, Bootstrap, jQuery, jQueryUI, Google Charts, AJAX, MongoDB, and Node.js server with authentication

- Used Google Charts to make density-correlated visualizations to easily select optimal timeslots to meet peers
- Individualized feedback, accountability, and timeslot management system

InforME (HackMIT 2019) - <https://devpost.com/software/informe>

Cambridge, MA

Serverless web application that uses sentiment analysis to detect systematic bias in mainstream media coverage of the 2020 election

- Google Cloud NLP API to perform sentiment analysis on 900+ news articles scraped from 8 major media outlets
- Used Firebase, Flask framework, and Google Charts to store, access, and visualize data in an easily accessible format

SKILLS:

Java, Python, HTML, Bootstrap, CSS, JavaScript, jQuery, Node.js, AJAX, REST, Flask, gRPC, Protobuf, MongoDB, SQL, Git, Linux, Kubernetes, jOOQ, DynamoDB, Elasticsearch, Adobe Photoshop and Illustrator

HONORS:

MIT Arts Scholar, 2018 Coca-Cola Scholar, National Merit Scholar, National AP Scholar, Grace Hopper Conference 2019 Scholar, Society of Women Engineers Admiral Grace Murray Hopper Scholarship, Selected for University of Virginia Jefferson Scholarship (merit-based full ride), Technology Student Association (TSA) Competition State Champion, Virginia High School League Scholastic Bowl State Runner-up, Performed violin at Carnegie Hall in National Band and Orchestra Festival