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

EXPERIENCE:

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 browser extensions and modify websites to meet their own specific needs, and share those customizations with others.

Two Sigma Investments   **New York, NY**
Software Engineering Intern   May 2020~Aug 2020

- Developed end-to-end secure search service using gRPC, Protobuf, Kubernetes, Elasticsearch, PostgreSQL, jOOQ, Java, 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

MIT Borderline - http://borderline.mit.edu/   **Cambridge, MA**

- Designed, built, and maintain club website (above) and project website (http://tunnel.mit.edu/)
- Designed, painted, and animated augmented reality murals around campus using Photoshop and Artivive

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:

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