Gloria Lin

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EDUCATION:

Massachusetts Institute of Technology **Cambridge, MA**
Bachelor of Science (SB), Computer Science and Engineering, **GPA 4.9** Expected May 2021

- **Coursework**: Software Construction (6.031), Design and Analysis of Algorithms (6.046), Machine Learning (6.036), Computer Systems Engineering (6.033), Artificial Intelligence (6.034), Computation Structures (6.004), Algorithms (6.006), Web Programming (6.148), Python Programming (6.009), Discrete Math (6.042), Linear Algebra (18.06), Multivariable Calculus (18.02), Software Studio (6.170), Probability (6.431), Computational Cognition (6.804), Computational Photography (6.865)
- **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~Present

- Investigate and develop new functionalities and interaction models for spreadsheet-driven web customization platform that empowers anyone to build browser extensions and modify websites to meet their own specific needs.

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

- Develop 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 replication progress tracking system using Java, AWS, Amazon Simple Workflow Service, Amazon Simple Notification Service, and DynamoDB
- Collected and modeled replication progress data; implemented progress query and cancellation APIs with REST web services; designed and implemented web GUI to visualize replication progress and cancellation via AJAX calls to the web services

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