Gloria Lin

gloriazlin@yahoo.com

http://gzlin.mit.edu
https://www.linkedin.com/in/gloriazlin

EDUCATION

Massachusetts Institute of Technology   **Cambridge, MA**
Master of Engineering (MEng)- Computer Science, **GPA 5.0/5.0**   Sept 2018 - Feb 2022
Bachelor of Science (SB)- Computer Science, **GPA 4.9/5.0**
- **Coursework**: Software Studio (6.170), Design and Analysis of Algorithms (6.046), Machine Learning (6.036), Artificial Intelligence (6.034), Computer Vision (6.869), Computer Systems Engineering (6.033), Discrete Math (6.042), Linear Algebra (18.06), Probability (6.431), Statistics (18.650), Statistical Data Analysis (6.481), Software Construction (6.031), Computational Cognitive Science (6.804), Computational Photography (6.865), Algorithms (6.006), Computation Structures (6.004), Python Programming (6.009), Digital Communication Systems (6.02), Web Programming (6.148), Pokerbots (6.176)
- **Extracurricular Activities**: Borderline (Augmented Reality Murals) - President (2020); Eta Kappa Nu (CS Honor Society); MIT Arts Scholars; Women in EECS - Publicity and Treasurer; The Tech (Newspaper) - Writer and Illustrator

EXPERIENCE

MIT Probabilistic Computing Project   **Cambridge, MA**
Research Assistant   Jan 2021- Jan 2022
- Developed and tested Bayesian active learning policies for structure discovery in Gaussian Process regression as probabilistic program synthesis; used Sequential Monte Carlo methods in the Gen probabilistic programming language (Julia implementation)
- Modeled and studied the effect of planning mistakes on human and probabilistic goal inference; work presented at CogSci 2021

MIT Computer Science and Artificial Intelligence Lab (CSAIL)   **Cambridge, MA**
Undergraduate Researcher, Software Design Group- Wildcard   Aug 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   Jan 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   Feb 2019 - Dec 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, Julia, 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