

SHARON LIN

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EDUCATION

Massachusetts Institute of Technology
BS Computer Science and Engineering
Class of 2021 | GPA: 4.5/5.0 Major GPA: 4.7/5.0

Stuyvesant High School
Regeneron Science Talent Search Scholar
US Presidential Scholar Semifinalist

COURSEWORK

Embedded Systems
Digital Electronics Laboratory
Introduction to Algorithms
Elements of Software Construction
Machine Learning
Artificial Intelligence
Operating System Engineering
Probabilistic Systems Analysis
Advanced Computer Architecture
Distributed Systems Engineering

LEADERSHIP

Contrary Capital | Jan 2020 - Present
Venture Partner for a student-focused venture fund investing up to \$500K in early-stage startups.

MIT Bitcoin Club | Sep 2017 - Present
Founded the first MIT Bitcoin Hackathon, hosting hackers from over 8 countries. Co-organized the MIT Bitcoin Expo and speaker series.

TechSec | Sep 2017 - Present
Teaching workshops on applied cryptography, penetration testing, and security analysis. Competing in CTF competitions.

MakerLodge | Sep 2018 - Jun 2019
Training students on lab equipment and safety practices, organizing maker events.

Embedded Systems TA | Spring 2019
Assisting students with labwork, grading problem sets, and designing lab assignments.

AWARDS/HONORS

Thiel Fellowship Finalist (2x)
NCWIT Collegiate Award (\$10K)
Jumpstart Fellowship (\$10K)
#BUILTBYGIRLS Challenge (\$10K)
McKinsey Technology Impact Award
Grace Hopper Conference Scholar
Siemens Competition Semifinalist
Google Science Fair Regional Finalist

WORK EXPERIENCE

Software Engineer Intern
Microsoft | Jun 2020 - Aug 2020
Integrating the Azure ML data drift monitor into Customer Insights
Developing ML models for use in analyzing customer data
Designing feature integration for AI Framework and measurements

Software Engineer Intern
Return to Corp (r2c) | Jan 2020
Built a polyglot parser using grammars from 12+ languages
Developed static analysis rules, with 99% success rate
Integrated semantic analysis tool into Bento

Software Engineer Intern
Cisco Meraki | Jun 2020 - Aug 2020
Improved performance of System Manager dashboard by 80%
Built features for integrating Apple School Manager into SM
Increased front-end page loading performance by 200%

PROJECTS

EasyGov (easygov.app) - CTO **Apr 2020 - Present**
Built an online platform that facilitates government document translation for non-English speakers. Raised pre-seed capital and acquired over 1K recurring users in the first month of launch.

ZoomFS (Computer Systems) **Mar 2020 - May 2020**
Worked with a team of engineers to design a distributed networking system for NASA. Developed a protocol for delivery data from Earth to Mars, ensuring fault tolerance, scalability, and security.

Harvard-MIT Asia Blockchain Conference **May 2018**
Co-led the inaugural HMABC, inviting speakers from Korea, Singapore, and the Ethereum Foundation. Organized outreach and sponsorship for underserved attendees.

SharkFin (YHack JPM Winner) **Nov 2018**
Developed a financial tool for users to identify trends in their purchasing habits, using Plaid API's bank integration. Used a regression model for analyzing frequency of purchases

LANGUAGES/SKILLS

Programming: Python, Java, Ruby, JavaScript, SQL, C, C#, Go
Frameworks: Angular, React, Ruby on Rails, Flask
Tools: Git, Linux, CI, Static Analysis, QEMU, Burp Suite, Bash, TensorFlow, matplotlib