

CINDY WANG

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in [LinkedIn](#)

🗣 English, Chinese (Mandarin)

EDUCATION

Massachusetts Institute of Technology

Cambridge, MA

Candidate for Bachelor of Science in Electrical Engineering and Computer Science

Aug 2019 - May 2023

Relevant coursework taken: Computer Algorithms; Machine Learning; Computer Systems Engineering;

GPA: 5.0

Fundamentals of Programming; Computer Thinking & Data Sci; CS Programming in Python;

Web Development; Computation Structures

The Harker School

San Jose, CA

High School Diploma, GPA: 4.53/4.7

Aug 2015 - May 2019

EXPERIENCE

Software Engineering Intern, Stripe

May 2022 - Aug 2022

- Created loan-performance prediction model to enable SMB merchants to take advantage of Stripe Capital loans.
- Designed and rolled-out A/B experiment to measure user growth from the new model, capturing +xx% in loan origination.
- Implemented corporate treasury integration for Stripe Capital transaction-based underwriting.

Software Engineering Intern, Roblox

Jun 2021 - Aug 2021

- Independently designed and implemented private server permissions infra that enforces ACLs based on friendship status.
- Developed a new queue handling framework that consumes change notifications via AWS SQS. Handles recurring payment processing, game environment changes, configuration rollouts, and user privacy setting enforcement.
- Delivered a highly requested feature that allows developers to change private server prices when the change benefits users.

Software Engineering Intern, Broad Institute

Jun 2020 - Feb 2021

- Owned renewal effort of MISCAST Project (miscast.appspot.com) using React and NodeJS. Produced over 50,000+ lines of code. Revamped codebase and developed major new features like gene visualization and automatic protein sequence alignment.
- Produced design mockups and interviewed research scientists to gather feedback. Deployed final product on Google Cloud.

PROJECTS

VibeCheck - HackMIT Project

Oct 2020

- Developed a Chrome extension and backend for organizing ad-hoc Zoom meetings using React, NodeJS, and Firestore.
- Integrated with Zoom API to generate meetings on-demand. Deployed on serverless architecture for maximum efficiency.

Habit Aquarium - MIT web.lab Project

Jan 2020

- Developed a habit tracking web app (habitaquarium.herokuapp.com) using React, NodeJS, and MongoDB.

Analyzing Gamma-ray Emissions of High-energy Blazars to Probe the Extragalactic Background Light

Feb 2019

- Performed astrophysics research at University of Florida: analyzed newest dataset to invalidate current models for extragalactic background light using Python, collaborated with NASA researchers on latest algorithms, and presented final findings.

AWARDS

Presidential Scholar Semifinalist 2019

Regeneron Science Talent Search Top 300 Scholar 2019

Math and Physics Competitions

- Qualified to USAPhO 2017; Qualified to AIME 2014, 2015, 2016, 2017, 2018, 2019
- 1st prize BAMO-8 2014, Honorable mention BAMO-8 2015, Honorable mention BAMO-12 2016

TECHNICAL SKILLS

Programming:

Java, Python, HTML, JavaScript, NodeJS, C, C++, C#, .NET

Typesetting & Mathematics:

L^AT_EX, Mathematica, MATLAB

ACTIVITIES

MIT Cheerleading

Grace Hopper Celebration of Women in Computing

Women in EECS (WiEECS)

MIT Asian Dance Team

Society of Women Engineers

Alpha Chi Omega - Theta Omicron Chapter