Amy Zhang

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Education

February 2021
February 2020

Massachusetts Institute of Technology

Master of Engineering in Computer Science, human-computer interaction concentration.
Bachelor of Science in Computer Science and Engineering (6-3).
Favorite courses: Performance Engineering of Software Systems, Interactive Data Visualization.

Languages

Python, Java, C, C++, JavaScript, HTML, CSS.

Experience

Summer 2020
Remote, NYC-based

Google — *Software Engineering Intern*

Implemented out-of-office warnings for comments in Docs, Sheets, and Slides.
Wrote two new classes in Javascript to isolate logic related to calling a new API.
Created and styled banner elements using Soy and CSS.
Added corresponding test suites, including asynchronous test cases.

Summer 2019
Mountain View, CA

Worked in Java on the drop-down suggestions of the search box.
Coded a redesign of weather answers and ran a live experiment deployed to 4% of all daily active users.
Implemented a new type of sports answer, adding support for queries involving individual athletes.

Spring '19 - Fall '20
Cambridge, MA

MIT 6.0001/2 — *Teaching Assistant*

Responsible for hiring, training, and managing ~50 lab assistants each semester.
Holds office hours and beta tests quizzes and exams for MIT's introductory programming class in Python.

Spring '19 - Fall '20
Cambridge, MA

MIT CSAIL — *Research Assistant*

Designed and implemented a user interface for an interactive data visualization system for the Data Systems Group in MIT Computer Science and Artificial Intelligence Laboratory (CSAIL).

January 2019
San Francisco, CA

Twitch — *Software Engineering Extern*

Worked on an R&D project to reduce latency on the transcoding team.
Added multi-rendition support and ability to switch between streaming qualities in C++.

Summer 2018
Cambridge, MA

Akamai Technologies — *Software Engineering Intern*

Ported an internal tool from Perl to Ruby on Rails 4 and AngularJS.
Wrote APIs and integrated them into multiple web pages, fixed miscellaneous bugs.

January 2018
Santa Monica, CA

DroneBase — *Software Engineering Extern*

Coded a responsive redesign of `dronebase.com/pilots` using Middleman, CoffeeScript, Sass.
First intern at early stage startup.

Summer 2017
Bangalore, India

Shell — *Research Intern*

Developed a screening program that uses machine learning (specifically random forest classification in scikit-learn) to identify compounds with desirable fuel properties, achieving 0.7 AUC.

Interests

Design and Fine Arts, with 10 years of training in oil painting, graphite, watercolor.
Webmaster for MIT Chinese Students Club and Alpha Chi Omega