Amy Zhang

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Education

February 2021
February 2020

Massachusetts Institute of Technology

Master of Engineering in Computer Science, Graphics and Human-Computer Interaction.
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

Google — *Software Engineering Intern*

Summer 2020
Remote, NYC-based

Implementing out-of-office warnings when mentioning users in comments on Docs, Sheets, and Slides.
Wrote two new backend classes and a new UI component in Javascript.

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.

MIT 6.0001/2 — *Teaching Assistant*

Spring '19 - Fall '20
Cambridge, MA

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.

MIT CSAIL — *Research Assistant*

Spring '19 - Fall '20
Cambridge, MA

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

Twitch — *Software Engineering Extern*

January 2019
San Francisco, CA

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

Akamai Technologies — *Software Engineering Intern*

Summer 2018
Cambridge, MA

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.

DroneBase — *Software Engineering Extern*

January 2018
Santa Monica, CA

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

Shell — *Research Intern*

Summer 2017
Bangalore, India

Developed a screening program that uses machine learning, specifically random forest classification in
scikit-learn, to identify compounds with desirable fuel properties.
Plotted ROC curves, 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

Updated July 2020.