

# Amy Zhang

amyzhang.github.io

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## EDUCATION

December 2019

December 2020

## MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Candidate for Bachelor of Science in Computer Science and Engineering.

Candidate for Master of Engineering in Computer Science, Graphics and Human-Computer Interfaces.

## EXPERIENCE

Mountain View, CA

Summer 2019

### GOOGLE, Software Engineering Intern

Worked in Java on short, answer-card style results in 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 sports played by individual athletes and more complicated designs that span multiple lines in the search box.

Refactored sports answers to make it easier to add support for new sports and modify existing sports.

Cambridge, MA

Spring '19 - present

### MIT 6.0001 and 6.0002, Undergraduate Teaching Assistant

Was previously lab assistant.

Runs office hours, helps write and debug weekly problem sets for MIT's introductory programming class in Python.

Cambridge, MA

Spring '19 - present

### MIT CSAIL, Undergraduate Researcher

Database group at Computer Science and Artificial Intelligence Laboratory (CSAIL).

Improving UI and response speed of an interactive data visualization system.

San Francisco, CA

January 2019

### TWITCH, Software Engineering Extern

Worked on an R&D project to reduce end-to-end latency on the transcoding team.

Implemented a communication channel between server and client in C++.

Added multi-rendition support and ability to switch between streaming qualities.

Cambridge, MA

Summer 2018

### AKAMAI TECHNOLOGIES, Software Engineering Intern

Worked on a full stack web application for internal use by release engineers.

Ported web pages from Perl to Ruby on Rails 4 for the back end and AngularJS for the front end.

Wrote APIs and integrated them into multiple web pages, fixed miscellaneous bugs.

Santa Monica, CA

January 2018

### DRONEBASE, Software Engineering Extern

Coded a responsive redesign of `dronebase.com/pilots` using Middleman, CoffeeScript, Sass.

Optimized webpage for mobile and web.

First intern at early stage startup.

Bangalore, India

Summer 2017

### SHELL, Research Intern

Developed a screening program that uses machine learning to identify compounds with desirable fuel properties.

Modeled random forest classification using scikit-learn.

Plotted ROC curves, achieving 0.7 AUC.

## LANGUAGES

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

## INTERESTS

**Design and Fine Arts** 10 years of fine arts training at U.S. Arts Education Center in oil painting, sketch, watercolor.

**Webmaster** Chinese Students Club and Alpha Chi Omega.