Amy Zhang

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Experience

Google — *Software Engineer*

Aug 2023 - present

Fleet Management - Backend, Java and Python
Made improvements to systems that manage the physical machines that support Cloud.
Created an alert to notify when pipelines exceed expected runtime.
Added release tests to prevent pushing failing builds to production.

Jan 2021 - Aug 2023

Workspace - Full stack / Frontend, JavaScript and Java
Worked on a few products in Workspace, with majority of time spent on Google Sites.

Designed and implemented components for several key features in a new product built from scratch.
Disabled editing of all Classic Sites as part of a deprecation effort.
Created an asynchronous action to bulk disable editing of many sites at once.
Implemented adding embedded content that spans the entire page of a site, reaching 3k daily active users.
Added ability for users to see another user's cursor in text boxes.
Made performance improvements to avoid regressions in typing latency.

Used Wiz and Closure, and wrote unit and integration tests in Java and JavaScript.
Executed multiple migrations and miscellaneous bug fixes.
Onboarded onto several codebases, and cross-collaborated with other teams.

Summer 2020 Implemented out-of-office warnings when mentioning users in comments on Docs, Sheets, and Slides.

Summer 2019 Added new information that appears in the drop-down suggestions of the search box.

2019 - 2020

MIT CSAIL — *Research Assistant*

Designed and implemented a user interface for an interactive data visualization system for data at scale.

2019 - 2020

MIT 6.0001/2 — *Teaching Assistant*

Managed 50 lab assistants, held office hours, and beta tested exams for MIT's intro CS class in Python.

January 2019

Twitch — *Software Engineering Extern*

Added multi-rendition support to a new transcoding system in C++.

Summer 2018

Akamai Technologies — *Software Engineering Intern*

Ported an internal tool from Perl to Ruby on Rails 4 and AngularJS.

January 2018

DroneBase — *Software Engineering Extern*

First intern at an early stage startup; coded a redesign of a public facing landing page.

Languages

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

Education

Massachusetts Institute of Technology

2021 **Master of Engineering (MEng)** in Computer Science, Human-Computer Interaction.
2020 **Bachelor of Science (BS)** in Computer Science and Engineering.

Interests

Design and Fine Arts, with 10 years of training in oil painting, graphite, and watercolor.