

Akshay Subramaniam

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Experience

March 2021 - Present

Google, Mountain View - *Software Engineer*

- Led the migration of the Business Messaging web frontend to Google Search, enabling the Messaging inbox to be accessed by querying one's business' name and greatly increasing the number of merchants in Messaging
- Redesigned web frontend APIs and datastore to build conversation snippets dynamically and deduplicate network calls, reducing inbox load latency and minimizing server load
- Developed a backend email rescheduling system that would remind merchants that a customer was waiting for a response, which increased merchant read and reply rates
- Implemented a photo upload feature for Messaging on web, driving more than 5% of messaging web traffic

May 2020 - Aug 2020

Google, Mountain View - *Software Engineering Intern*

- Added a new feature that exposed a Google Maps photo's moderation status to operations staff, allowing for cases to be understood and addressed more quickly
- Built a new microservice that serves asynchronous traffic from a latency-critical server through a retrievable and queryable queue, balancing server load and providing reliability

May 2019 - Aug 2019

Google, Mountain View - *Software Engineering Intern*

- Designed an asynchronous UI carousel that displayed all suggested content available for a Google Maps business listing and allowed users to quickly publish a desired suggested post
- Constructed a data pipeline in Java that efficiently retrieved and transformed back-end suggested content data, adding media metadata and identifiers for the front end

Education

Sep 2017 - Dec 2020

University of Michigan, Ann Arbor, MI - *BSE in Computer Science*

GPA: 3.97

Technical Skills

- Led a cross-discipline team to develop Map Blue, an iOS app written in Swift that displays digital maps and directions to guide students through University of Michigan buildings
- Built a website in React-Redux that showcases all projects: akshaysg14.github.io
- Proficient in Java, C++, C#, Python, Ruby, Swift, HTML, CSS, and JavaScript/TypeScript