AMRITA VENKATRAMAN

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SUMMARY

I love creating beautiful things from scratch. Whether I am sewing one of my own clothing designs or building a new technical framework, I am focused on making an immersive and engaging experience for my audience. My experience as a designer and developer enables me to have a hands-on approach during all stages of my projects: from ideation to iteration to deployment. It is my goal is to use my knowledge in Computer Science and Psychology to build products that are both captivating and accessible.

EDUCATION

Stanford University
B.S. Computer Science (Human-Computer Interaction) 2020
Minor Psychology 2020

EMPLOYMENT

Slack — San Francisco, CA
Software Engineer II — May 2021 to Current

- Built a new open-source architecture framework for Android (MVI, Compose, Coroutines) that enables faster prototyping and seamless navigation. Featured on Talking Kotlin Podcast
- Overhauled our mobile design system by converting SlackKit components to use Jetpack Compose
- Improved our channel switching time by 70% and logout time by 10x (from 20 secs down to 2 secs)
- Spearheaded database improvements by using Requery, enabling faster search and lookup

San Francisco, CA
Software Engineer I — July 2020 to May 2021

- Modularized the Android codebase to expedite feature development and speed up build times
- Prototyped and deployed multiple features including but not limited to recent status, scheduled send timezones, and DND presence
- Hosted an intern where I brainstormed and scoped a project for him to design and develop a new component for our SlackKit design system
- Participated in the annual Slackathon, where I created a "Slack Wrapped" prototype that summarizes your Slack activity over a year (Typescript, React)

San Francisco, CA
Software Engineer Intern — June 2019 to Sept. 2019

- Implemented a way to move off Slack's current storage system on the Android app and lazy load user groups, encouraging a faster app startup time and less memory usage.

Stanford Center for Technology and Poverty — Stanford, CA
Product Lead (Part-time) — June 2020 to Feb. 2021

- Lead designer and mobile developer for My College Cash, an app funded by the Stanford Center For Technology and Poverty to help low-income high school students find opportunities to financially support their further education.
- Used Figma for mockups/designs/prototypes and React Native/Firebase for the development.

Stanford Computer Science Department — Stanford, CA
Lecturer — Jan. 2020 to Apr. 2020

- Selected to teach CS91SI: Introduction to UI/UX Design. Prepared and designed curriculum from scratch, including information about prototyping and testing and the use of Figma, and taught two one hour classes a week.
- Invited guest lecturers from industry to give feedback on student projects.

Looker — Santa Cruz, CA
Software Engineer Intern — June 2018 to Sept. 2018

- Worked on creating custom visualizations (AngularJS) and robust robolectric tests for end-to-end functionality.

PROJECTS

PhotoShare Application — May 2020 to June 2020

For Stanford's Web Applications final project, I used the MERN stack (MongoDB, Express, React, and Node) to build a photo sharing application that included authentication, uploading pictures, liking and commenting on pictures, and interacting with other users. This was a one week long project so the design is a little rudimentary!

Redesigning Glassdoor — Feb. 2019 to Mar. 2019

For Stanford's Human-Computer Interaction Studio Class, I chose to redesign an aspect of Glassdoor's functionality using Invision. The link above details the entire process: from initial research to ideation to iterative design.

SKILLS

RELEVANT COURSEWORK: Web Applications, Programming Abstractions, Computer Organization and Systems, Cross Platform Mobile Development, Design and Analysis of Algorithms, Data Management and Data Systems, Introduction to Human Computer Interaction, Contemporary Javascript
TECHNICAL SKILLS: HTML/CSS/Javascript, React, Java, iOS/Android Development, React Native, Figma, MongoDB, Kotlin, Next.js, Swift

AWARDS

Stanford CS + Social Good · Fellowship Recipient — Feb. 2018

Stanford CS Department · Grace Hopper Conference Scholarship Recipient — Apr. 2019

Kleiner Perkins · Kleiner Perkins Fellow — June 2019
Selected as one of the 30 fellows for the 2019 Kleiner Perkins Class out of a pool of 3000+ applicants.