

Tristan Que

Los Angeles, CA | 424-371-3728 | tristanq816@gmail.com

[GitHub](#) | [LinkedIn](#) | [Website](#)

Education

University of California, Los Angeles

Sept 2019 – Dec 2022 (expected)

B.S. Computer Science

3.86 Major GPA

> **Relevant Coursework:** Data Structure & Algorithms, Programming Languages, Operating Systems, Database Management, Computer Organization, Software Engineering, Data Science

Skills

Languages: JavaScript, Python, TypeScript, PHP, C++, Java, OCaml, Prolog, Scheme, Bash, HTML/CSS

Frameworks/Tools: React.js, MongoDB, Express, Node.js, DOM, Git, Redux, SQL, Firebase, React Native, Docker

Experiences

Yahoo!

Remote

Software Engineering Intern – Homepage Team

June 2021 – Now

- > Created the Release Tracker, a **ReactJS** app that compares package diff between any past software releases
 - Allowed developers to check release diff to help debug software releases and conduct metric analysis
 - Added the release md5 to the Homepage page param hourly by caching and reading a cron job using **Redis**
 - Auto-generated GitHub diff URLs given the package to locate change info and the authors of the changes
 - Enabled findings of all the release md5 in a time interval by parsing a cron job JSON using **TypeScript**
- > Implemented the deferral of the loading of the non-critical CSS modules on the Yahoo! Homepage using **PHP**
 - Bucket-tested the implementation and decreased the initial CSS asset loading time by around 20%
- > Created a badge field in an internal tool to allow non-technical people to add or remove nav item badge
 - Reduced dev need to reconfigure nav all the time for different events throughout the year

Embark, DevX – career Reddit for UCLA students

Los Angeles

Tech Lead

June 2021 – Now

- > Lead developer team (Frontend & Backend) of the embark project at UCLA DevX.
- > Organized the implementation of the post relevance algorithm using **MapReduce** in **MongoDB**

Frontend Lead

Sept 2020 – June 2021

- > Implemented the **cursor-based pagination** with the infinite scroll for the homepage feed
- > Set up the frontend structure and created a responsive **ReactJS** UI library to share across the team

Compined – sign-up free apps with full-chatting experiences

Los Angeles

CTO

Apr 2021 – Now

- > Lead the developer team (Frontend & Backend) of the Startup Compined
- > Received \$5,000 stipend from Startup UCLA x BlackStone LaunchPad in the Summer Accelerator Program
- > Set up foundations of both the web app using **ReactJS** and the mobile app using **React Native**
- > Created chatting features like polls, emojis, messages, anonymous messaging with **Socket.io** and **NodeJS**
- > Participated in the CTO fellowship by AWS and Learnt technical management skills

Projects

- > **Mini Dungeon:** Created a Roguelike game with several game mechanisms (fighting, purchasing etc.) using **C++**
- > **JPigz:** Implemented a multi-threaded compressor using **Java** (three times faster than gzip)
- > **Topo Sort Git Commits:** Created a **Python** script that visualizes **git** commits in a repo without using git