Alex Wang

San Jose, CA

Work Experience

Coursera | Mountain View, CA

Senior Software Developer (Frontend) · Aug 2021 – Jan 2023

- Implemented versioning of course items so instructors can view changes between each iteration for videos, readings, assessments, and other course items.

Senior Software Developer (iOS) · Nov 2018 – Aug 2021

- Led the rewrite of the quiz and assessments experience to use CoreData and improved page load times by 2x, while increasing developer efficiency by making the feature more easily extendable and maintainable.
- Headed the project to render rich text in-app quickly and reliably from Coursera's own markup language using WKWebViews and JavaScript. Worked with the backend teams to migrate to using HTML so rendering logic can be simplified on both iOS and Android.
- Implemented major features in Swift within the iOS application used by tens of thousands of users daily, including the course description pages and course outline.
- Created new interviewing processes and guidelines for mobile developers to focus more on practical experience on iOS and Android with small take-home projects over standard whiteboarding questions.

Software Developer (iOS) · Jul 2015 – Nov 2018

- Developed the Coursera app for Apple TV to be launched alongside tvOS.
- Refactored major components including discussion forums to result in 5-10x improvements in page load times and increased user engagement
- Led the migration of the Coursera iOS app from Swift 2 to Swift 3.

Yelp | San Francisco, CA

Intern (Mobile Backend) · Jun – Sep 2014

- Improved the speed of sharing businesses and reviews on Yelp by 5x by migrating requests to the Open Graph Object API.

Yahoo! | Sunnyvale, CA

Intern (iOS) · Jun 2013 – Jun 2014

- Implemented the daily digest and article views of Yahoo News Digest in Objective-C with performant and reusable information cards (e.g. slideshows, maps, related Tweets).
- Worked closely with designers on UI and UX design to make the app a winner of the 2014 Apple Design Award.

Kaohsiung Medical University Hospital | Kaohsiung, Taiwan

Intern (iOS) · Jun – Aug 2012

- Designed and developed a complete iOS application for Chung-Ho Memorial Hospital for patient registration, cancellation, doctor lookup, and other features

Skills

Computer Languages
(in order of proficiency)
- Swift
- HTML and CSS
- Python
- JavaScript (TypeScript and React)
- Objective-C
- Java
- Ruby

Creative Programs
- Adobe Creative Suite (Photoshop, Lightroom, Premiere, Audition, InDesign)
- DaVinci Resolve

People Languages
- English (native)
- Mandarin Chinese (professional)
- Japanese (elementary)

Education

Stanford University
Class of 2015
B.S. in Computer Science (human computer interaction)
B.A. in Music (piano performance)

Other Activities

Taiwanese Cultural Society
Co-chair in 2013, vice-chair in 2014.
Stanford Night Market webmaster and director 2012 – 2015, with 2000 attendees.

Chromatiqa · 2010 – 2013
Personal project, developing the website and a flash rhythm-based game with over 240,000 total plays.