

Geoffrey Liu

Experienced iOS and web engineer

Contact info

*Additional contact details
available upon request*

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Languages

Swift / Objective-C
JavaScript / ES6
React / Angular / Node
Java
PHP
HTML5 / CSS3
Ruby on Rails
Python
C / C++

Skills

Xcode
Jenkins CI
Quick/Nimble unit testing
XCTest automation
JIRA
NPM / yarn / Cocoapods
GitHub Enterprise
Bash/Python scripting
IntelliJ
Eclipse
WordPress

Interests

UI/UX design
Mobile app development
Music performance
Photography
Blogging
Teaching / speaking

Work experience

- since Oct 2020 **Senior iOS Engineer** · *PayPal*, Seattle WA (Remote)
Contribute to the development of a brand new in-store loyalty experience. Built a new unit test / UI test framework for all app modules.
- 2017-20 **Web / iOS Engineer** · *Groupon*, Santa Clara CA & Seattle WA
Owned the development of over 25+ features in the Groupon iOS app and Groupon Goods web presence, supporting key business goals such as Groupon+ and Groupon Select. Wrote extensive unit test and UI automation suites for stability and regression tracking. Contributed to a significant app-wide re-architecture of the deal page screens. Advised managers on design and implementation decisions.
- Jun-Sep 2015 **Software Engineering Intern** · *CDK Global*, Seattle WA
Add functionality to existing Angular JS mobile app to allow car dealers to manage their incentives. Integrated with CDK's in-house REST APIs, wrote extensive tests. Added push notifications through Pushwoosh.
- 2015-16 **Teaching Assistant** · *University of Washington CSE*, Seattle WA
- 2013-14 **Webmaster** · *Associated Students of the University of Washington*, Seattle WA

Education

- 2012 TO 2016 **B.S. Computer Science; Minor in Music** · *University of Washington*, Seattle
- Direct admission into Computer Science, 2012
 - Dean's List candidate, 2012—2016
 - 3.73 overall GPA
 - Teaching assistant, ASUW webmaster, musician in UW Symphony

Projects

Odo proxy software

Owned the redesign of Groupon's open-source proxy software. Rewrote significant portions of the Groupon front-end using Bootstrap framework, introducing usability features such as keyboard navigation.

Redwood Symphony new website

Completely overhauled the organization's website in WordPress, with over 1,000 lines of custom PHP and JavaScript code. Created custom interactive components to display concert data in a consistent, reusable manner.

PeaceTrees Vietnam project map

Leverage MapBox, React, and Node to present interactive map of the non-profit's projects and landmine data from KML files. Allows map updates via uploads through a secure backend.

Nagios alerts visualizer

Created a full-stack solution to visualize and reduce unnecessary Nagios alerts by over 50% in several weeks. Leveraged multi-threaded web scraper and Bootstrap-based front-end for quick tabular visualization.