

Geoffrey Liu

Experienced iOS engineer, web developer, and musician

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

Test-driven development

Quick/Nimble unit testing

XCUI Testing

Snapshot testing

Jenkins CI

JIRA / Agile

NPM / yarn / Cocoapods

GitHub Enterprise

Proxyman / Postman

Bash/Python scripting

WordPress

Photo/video/audio editing

Interests

UI/UX design

Foreign languages

Music education

Teaching / speaking

Photography

Architecture / interior design

Professional experience

2020-24 **Senior software engineer** • *PayPal*, Seattle WA (remote)

Constantly developed new user-facing experiences across the PayPal iOS app in Loyalty, Rewards, and Shopping; as well as addressing technical debt, release, and on-call needs. Contributed to a major redesign of the app in late 2023, ensuring quality of code through code reviews, unit, UI, regression, and snapshot testing; and daily collaboration with QA, managers, design, and product teams. Hosted knowledge sharing sessions through the organization to encourage other teams to adopt best practices in software development.

since **Violin/viola instructor** • *The Key to Change*, Renton WA

Sep 2020 Provide instruction to group classes and individual students in a socioeconomically diverse music studio. Write lesson plans, classroom expectations, and student progress reports for each trimester. Accompany students on piano for events, festivals, and recitals. Address technical needs when necessary.

2016-20 **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.

2015 **Software engineering intern** • *CDK Global*, Seattle WA

2013 **Programming intern** • *Seattle Publishing*, Seattle WA

Education

2012-16 **B.S. Computer Science; Minor in Music** • *Univ. of Washington*, Seattle

- Direct admission into Computer Science, 2012
- Dean's List candidate, 2012–16
- CSE undergraduate teaching assistant, 2014–16
- Webmaster, ASUW (student government), 2013–14
- 3.73 overall cumulative GPA

Side projects

HowManyCities iOS clone MapKit/MapCache • SwifterSwift • Unit/UI testing

Wordle With Friends Swift 5 • MVVM • XCUI Tests • UIKit custom keyboard

PeaceTrees Vietnam map MapBox • KML • ExpressJS • ReactJS • Node

Redwood Symphony new site WordPress/PHP • ACF • SEO • CSS3 • SQL

Nagios alerts visualizer Bootstrap • Web scraping • multi-threading