

# 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

since **iOS developer** • *Freelance*

Mar 2024 App development and project management for a client's iOS app that interacts with a haptic device. Project is under NDA. Technologies leveraged include SwiftUI, external DSP library, custom UI controls, and Bluetooth. Set up automation for external users to test the app.

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

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 **Music instructor and pianist** • *The Key to Change*, Renton WA

Sep 2020 Provide violin and viola instruction to group classes and individual students in a socioeconomically diverse music studio. Topics taught include history, theory, ear training, technique, and chamber music.

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.

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

## 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