

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

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 how at g-liu.com/resume

Professional experience

- since
 Mar
 2024 **iOS developer** · *Freelance*
 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
 Sep 2020 **Music instructor and pianist** · *The Key to Change*, Renton WA
 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