Geoffrey Liu

Contact info

Additional contact details available upon request

main@g-liu.com ✉
http://g-liu.com 🌐
GitHub: g-liu 🐱
Twitter: @geo_liu 🐦

Programming

Java
Angular / React
JavaScript / jQuery
PHP
HTML5/CSS3
C/C++
Ruby on Rails
Python

Coursework

Web programming
Data structures
Software engineering
Databases
Systems programming
Programming languages
Graphics
Introduction to HCI
Artificial intelligence
HW/SW interface
Music theory
Music history

Languages

English
Chinese
French

Interests

UI/UX design
Mobile app dev
Teaching
Blogging
Classical music

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
- Graduated June 2016

Work experience

since Jul 2016 — **Software Engineer**
Groupon, Palo Alto CA
Working on various products owned by Groupon Goods, developing new features, and fixing bugs.

Jun-Aug 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*

2014 — **Programming intern,** *Seattle Publishing*

2014 — **Webmaster,** *ASUW*

2009-12 — **Tutor,** *self-employed*

Projects

Periodic table explorer
Allows tabular comparison of multiple elements. Currently rewriting in Angular JS. Originally, data stored as XML files, parsed and displayed with jQuery.

Twelve-tone analyzer
(In progress). An analyzer for musical set theory, written in Java. Modular class and enum design for representing and manipulating tone rows.

Reich weather
jQuery-based weather forecast parody of Steve Reich's *It's Gonna Rain*. Uses PHP backend to call Forecast.IO API. Also harnesses geolocation and Google Maps.

KingFM schedule browser
(In progress). Angular app that scrapes 98.1 KING FM's website and displays programming schedule in a responsive, user-friendly interface.

BicyclePaper.com
Performed migration from Rails 2.9 to 4. Updated models, database migration schema, and integration tests. Harnessed Rails asset pipeline for content delivery.

ASUW Jobs Site
Built in three weeks from scratch. Bootstrap-based front-end with custom JavaScript library for sidebar navigation. Used PDO library for MySQL CRUD.