

Geoffrey Liu

Web developer, student at University of Washington

Contact info

*Additional details
available upon request.*

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

Programming

Java 7
JavaScript
jQuery
PHP
HTML5/CSS3
Ruby on Rails
Python

Coursework

Software design
HW/SW interface
Data structures
Linux tools
Java programming
Web programming
Music theory

Languages

English
Chinese
French

Interests

UI/UX design
Teaching
Blogging
Classical music

Education

2012 TO 2016 **B.S. Computer Science; B.A. Music**
University OF Washington, Seattle

Undergraduate

- Direct admission into Computer Science, 2012
- Dean's List candidate, 2012 - 2014
- 3.64 overall GPA
- 2016 expected graduation

Work experience

Jul-Sep 2014 **Programming Intern**
Seattle Publishing

Internship

Redesigned the Ruby on Rails company website. Increased SVG and layout compatibility with IE8. Implemented Bootstrap components for better UX on small screens. Migrated another site from Rails 2.9 to 4, updating models, database migrations, and integration tests.

Jan-Jun 2014 **Webmaster**
Associated Students OF THE University OF Washington

Employment

Developed and maintained WordPress multisite environment. Wrote custom plugins with admin settings backend. Heavily customized underscores WordPress theme for the main site. Established protocols and standards for future webmasters via newly-developed guide application.

Projects

Periodic table explorer

Allows tabular comparison of multiple elements. Element data stored in XML files; loaded with AJAX. Used jQuery to preprocess table layout.

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

A rain forecast app based off of Steve Reich's hit *It's Gonna Rain*. Uses PHP wrapper to call Forecast.IO API. AJAX to retrieve processed data and jQuery to load to display.

Word frequency analyzer

Used various data structures to analyze text files. Implemented hash table, AVL tree, and stack for data comparison. Wrote and ran JUnit performance tests.

BicyclePaper.com

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

ASUW Jobs Site

Built in three weeks from scratch. Bootstrap on front-end for responsive design and user-friendly forms. Custom sidebar navigation with JavaScript/CSS3. Used PDO library for MySQL CRUD.