

Geoffrey Liu

Web developer, student at University of Washington

Contact info

*Contact details
available upon request*

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Programming

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

Coursework

Web programming
Data structures
Linux tools
Software design
Systems programming
Graphics
HW/SW interface
Java programming
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; B.A. Music**
University OF Washington, Seattle

Undergraduate

- Direct admission into Computer Science, 2012
- Dean's List candidate, 2012 - 2015
- 3.7 overall GPA
- June 2016 expected graduation

Work experience

Jun-Aug 2015 **Software Engineering Intern**
CDK Global

Internship

Add functionality to existing Angular JS mobile app to allow dealers to view their incentives. Integrated with CDK's in-house REST APIs, wrote extensive tests. Added push notifications through Pushwoosh.

since Jan 2015 **Teaching Assistant, various classes**
University OF Washington Computer Science AND Engineering

Employment

Grade homework and tests, maintain office hours, staff lab sessions, hold section discussions for Principles of Computing (Wi '15) and Web Programming (Sp '15).

Previously: Programming intern, Seattle Publishing • Webmaster, ASUW • 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.

KingFM schedule browser

(In progress). Mobile app that scrapes 98.1 KING FM's website and displays programming schedule in a user-friendly interface. Uses Angular JS and AppGyver frameworks.

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.