

# Geoffrey Liu

Web developer, student at University of Washington

## Contact info

*Additional contact details  
available upon request*

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## 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 **B.S. Computer Science; Minor in Music**

2016 *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

Jun-Aug **Software Engineering Intern**

2015 *CDK Global*

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.

since **Teaching Assistant**

Jan 2015 *University of Washington Computer Science AND Engineering*

Grade homework and tests, maintain office hours, staff lab sessions, hold section discussions for Principles of Computing (Wi '15), Software Engineering (Au '15), Python Programming (Wi '16), and Web Programming (Sp '15, Sp '16)

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.