James Liu
Software and Web Developer

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EXPERIENCE

University of British Columbia
Undergraduate Teaching Assistant
August 2014 – Present
Teaching assistant for CPSC 121, Models of Computation at UBC. In charge of designing and teaching tutorials, as well as marking and exam invigilation.

University Transition Program
Computer Science Instructor
March 2014 – July 2014
Taught a class of about 15 gifted students the UBC CPSC 110 course material over the span of about 6 months. Worked closely with Vancouver School Board instructors to design the materials.

BronyCAN
Web Developer
October 2013 – Present
Developed a brand new WordPress theme to replace the static HTML pages that were used the previous year. Used as a gateway for registration, hotel booking, and information for over 1000 attendees. Additionally, I helped configure the at-con server, registration systems, and various networks.

SKILLS

Programming Languages
Java, C#, Python, Racket, C, C++

Web Development
JavaScript (incl. AngularJS, Node.js, and jQuery), PHP, HTML5, CSS3, Apache, Nginx, Less, Sass, Stylus, Jekyll

Mobile Development
Android and Windows Phone 8

Databases
MySQL, PostgreSQL, MongoDB

Applications
Visual Studio, Eclipse, Sublime Text
Microsoft Office, Adobe Creative Suite

Operating Systems
Windows, Mac OS X, Linux

Other
Git, SVN, Bower, Grunt, Yeoman
Google Analytics, New Relic
Mandarin Chinese - Proficient

EDUCATION

University of British Columbia, Vancouver, BC
Bachelor of Science, Computer Science, Class of 2017 (expected)
3.75 GPA. Relevant courses include software architecture, data structures, and computing hardware

University Transition Program, Vancouver, BC
Dogwood Diploma, Class of 2013

A program designed to prepare 13-15 year olds for early entrance to university by condensing a typical 5 year high school course load into an intensive, rigorous 2 year curriculum.

PROJECTS

Confinder/Hackfinder
AngularJS, Google Maps API
A simple and easy to use webapp to help you find conventions or hackathons near you.

Project Sunrise
Node.js, AngularJS, MongoDB, Express, Socket.IO
Simple and easy online character creation, viewing and sharing.

4.0 For All
Node.js, AngularJS, MongoDB, Express
A site to help UBC students pick courses based on historical performance data.

Trill
Node.js, AngularJS, MongoDB, Twitter API
A free, open source Twitter and Instagram wall.

SimpleBus
AngularJS, Flask, Translink API
How much longer until your bus is coming. It's that simple.

Busfinder
Windows Phone 8, Bing Maps, Translink API
An elegant and user-centric app that enables users to wayfind and schedule trips around Metro Vancouver via transit.

Rollin'!
Windows Phone 8
A simple, powerful dice roller for Windows Phone.

Restart! Comic/2P reSTART!

Co-founder, Lead Developer

May 2010 – October 2012

Ran with a team of three others across the United States, this weekly video game webcomic amassed over 125 thousand pageviews, and was nominated for a spot on Kotaku's weekly webcomic feature, Sunday Comics.