

JOEY LIU

(778) 829-4675 joeytall.liu@gmail.com
#1001-6070 McMurray AVE, Burnaby, BC V5H 4J3

TECHNICAL SKILLS

PROFICIENT Ruby, Rails, CoffeeScript, JSON, jQuery, AJAX, RSpec, RESTful, HTML, XML, CSS, Sass, Chrome Tools, Linux, OSX, Bash, Zsh, prezto, Git, Vim

KNOWLEDGE Agile, BDD, Gerrit, Jenkins, Redmine, Apache, DNS, FTP, IMAP, POP, AWS, S3

USED Django, Python, ASP.NET MVC, Google App Engine, C/C++, Java, PHP, Oracle,

PREVIOUSLY PostgreSQL, OOP, Selenium, Perl, Assembly, Photoshop, Coda 2

WORK EXPERIENCE

Free Running Technologies

Feb – Apr 2014

Junior Software Developer

- Responsible for developing highly distributed Rails web applications for several high performance, high traffic, and advanced interactive sites including [Symphony](#) & [Kidzworld](#).
- Developed consumer-based features and applications using Ruby on Rails, JavaScript, JQuery, HTML, CSS Behavior Driven Development (BDD) and pair based programming.
- Collaborated with Product Manager and User Experience experts regarding product definition, schedule, scope and project-related decisions.
- Managed code with RSpec unit tests and Git.

Miami Plumbing and Heating Ltd.

Aug 2013

Web Designer & Developer

- Responsible for design, site structure (information architecture), and daily maintenance of the [website](#) and many of it's Multilanguage sites
- Created unique animations using Adobe Flash & Photoshop along with CSS and JavaScript to make the site more dynamic and attractive
- Provided an optimal viewing experience on different platforms by using responsive design
- Gained positive feedbacks and customer interacting experience through effective communication on the phone

EDUCATION

B.A.Sc., Computer Engineering, University of British Columbia
Rewarded President's Entrance Scholarship

2013 Nov

PROJECTS

My Daily Expense Web Application Using ASP.NET MVC & AJAX

Jun - Jul 2013

- Coded and delivered a creative Web App that keep track of one's daily expenses
- Gained extensive understanding of ASP.NET MVC web framework and AJAX
- Became proficient with HTML, CSS, JavaScript while designing the web pages

Web-Based Interface for Student Group Assessments

Jan – Apr 2013

Based on Django Python Web framework

- Developed a concise Web Interface by modifying Django's admin page for professor and TAs
- Designed the architecture by drawing various types of diagrams such as ER diagram, Use-

Case diagram, and Block diagram in order to implement a complicated case of Student Group Assessments

- Demonstrated decent knowledge on relational databases while designing backend
- Imported thousands sample cases to database within a timely manner by writing python scripts, which allowed for better QA & testing.
- Created test cases by using selenium and JUnit Tests, which resulted in thirty errors found
- Addressed student's privacy issue by deploying the software on to a UBC local server

Design of Software-based Pseudo-random Number Generator **Sep – Nov 2012**

Led a team of software engineers to improve network security

- Devised and conducted six different tests to compare the design with current existing RNGs resulting an improved performance over most of the competitors
- Increased the randomness of the RNG by 8% through adding a SHA-1 hash function that sustained the diffusion property of the program
- Coordinate weekly schedules for four team members and assured the project completed one week ahead of deadline

Web-Based Airline Reservation and Management System **Sep – Nov 2012**

Worked as a team with other 8 members

- Imported thousands sample cases to database within a timely manner by writing a python script for better QA & testing.
- Created test cases using selenium and JUnit Tests result in thirty errors found

Robot Control Graphic User Interface Design Using C++ **Jan – Apr 2012**

- Programmed in C++ with Nokia Qt library to design a GUI, which provided manual operation options for users and displayed the location of the robot
- Implemented multithread to receive the location data from XBee and allowed users' operation at the same time without any delay
- Used mature approach to organize variety of widgets such as window, timer, checkbox and combobox, which provided users a neat, concise, and innovative interface
- Designed intuitive control for users by adding keyboard control and Xbox wireless controller
- Operated automatic connection such as sending a drawing command signal to update the location of the robot

INTERESTS	
Member of VANRUBY	2014-Present
• Attended Hack Night on every Tuesday to hack on cool stuff.	
UBC 8 ball Club	2012 – Present
• Increased participation by half through designing a Newsletter template	
UBC StarCraft 2 Community	Summer 2011
• Acted as a competitive StarCraft2 player and achieved top eight in the first UBC Cup	
YouTube Director	2008 – Present
• Mastered video-editing software such as Sony Vegas & Fraps	
• Generated 30,000 views by producing dozens of gameplay videos and music covers	