

Hailey HanGyeol Ryu

1017 Tuxedo Drive, Port Moody, BC V3H 1L3 | 1-604-446-1187

hangyeolryu.com | GitHub: [haileyr](#) | linkedin.com/in/haileyr Ryu | hangyeol.ryu@alumni.ubc.ca

SUMMARY

Programmer with Front-end and Back-end experience. Passionate about building products and enjoy the accomplishment. Innovative and ambitious to learn new technologies in a fast pace environment. Infectious and inspiring work ethic with ability to adapt and collaborate in a team setting.

TECHNICAL SKILLS

Languages: JavaScript (jQuery, AJAX), Ruby, HTML5, CSS3, Java, C++, SQL (ActiveRecord), JSON, PHP

Frameworks: Rails, Sinatra, Android, Laravel, Foundation, Matlab **Testing Frameworks:** JUnit, RSpec, Jasmine

Methodologies: TDD (Test Driven Development), BDD (Behaviour Driven Development), Agile Development, MVC (Model, view, controller), Pair Programming

Databases: PostgreSQL, MySQL, SQLite3

EDUCATION

Dev Bootcamp Professional Web development

JAN 2015

University of British Columbia Electrical Engineering with Biomedical Option

MAY 2014

TECHNICAL PROJECTS

[openPAC](#) | [View Code on GitHub](#)

JAN 2015

Platform where users easily find out which legislators support certain issues and make a donation to that cause. Built with Ruby on Rails, AJAX, jQuery, PostgreSQL, and Sunlight Foundation's Congress API.

- Set up database schema including 10 tables with 3 join tables and made all associations correct.
- Solidified models with necessary validations, callbacks, and wrote methods for getting necessary data from database to keep controllers concise.
- Set controllers for RESTful routes for CRUD implementation and correctly linked to views with data.
- Worked on AJAX and JavaScript for front-end to avoid wait time to reload the entire page and for better UX.
- Wrote RSpec tests with Capybara and Factory Girl for controllers and features.
- Worked in a group of 5, kept meetings on a right track, and helped others when they need.
- Used Trello to keep our iceboxes updated for Agile development.

[Know Your Values \(test with a@a.com, pw: a\)](#) | [View Code](#)

JAN 2015

Web application that allows users to ask their friends to endorse their values so that they can develop and pitch them as their strengths. Built with Ruby on Rails, AJAX and jQuery, PostgreSQL

- Built the MVP (minimum viable product) in 12 hours.
- Set up models, views, and controllers with authentication and friendship features.
- Restricted views for different conditions depending on login status and friendship status.
- Applied AJAX on the most view changes for fast user experience.

Overflow | View Code**JAN 2015**

Stack Overflow clone. Built with Ruby on Rails, AJAX and jQuery, PostgreSQL

- Designed the front-end of the entire application.
- Set up models, views, and controllers and wrote RSpec tests for models and controllers.
- Made questions and answers to be commentable using polymorphic association.

Memory Math | View Code**DEC 2015**

Math memory game built with JavaScript, AJAX and jQuery

- Wrote game logic in JavaScript with MVC (model, view, controller) software architectural pattern.

Android Application Project**SEP 2013 – APR 2014****Monitoring Acute Mountain Sickness (AMS) using an Android phone**

- Implemented a cognitive test module with 5 steps of memory, concentration and orientation tests in Java
- Built automated unit tests for the modules with Robotium (Android test automation framework)
- Prepared a software requirements document
- Facilitated team meetings, created backlog items from user stories to prioritize workload, distributed workload to members, and scheduled and allocated resources using Gantt chart
- Built rapport quickly with team members and created a positive work environment as a leader

Enhancement of the Image Processing Program for Elastography**MAY 2012 – AUG 2013**

- Enhanced an Elastography image processing program written in C++
- Debugged and modified the first version of VEI2D to allow support for two different kinds of probes

WORK EXPERIENCE

SAP – Junior Technology Compliance Engineer (Internship)**SEP 2012 – APR 2013**

- Performed thorough open source software pedigree reviews for license obligations to determine if code matches of open sources and have any problematic findings that can raise legal compliance issues
- Improved the pedigree check process by utilizing an unused feature in BlackDuck Protex (code-level compliance analysis tool) and presented its benefits to colleagues and management

HSBC - Test Automation Engineer (Internship)**JAN 2011 – AUG 2011**

- Developed versatile scripts in VBScript that are functional in different OS browsers to automate all possible user input simulations on HSBC web applications, finding average 5 bugs a week
- Executed automated regression test cases, analyzed test results, and prioritized results by severity for reporting
- Documented data preparation and package execution guidelines for future employees

PROFESSIONAL AFFILIATION

Korean-American Scientists and Engineers Association (KSEA)

JUN 2011

UBC Engineering Undergraduate Society

SEP 2009

APEGBC – MAPS

SEP 2009