

Ruth Lin

604-349-2786 | lin.ruth@outlook.com | linruth.github.io

EXPERIENCE

Software Developer

Vancouver, BC

Bit Quill Technologies

May 2017 - Present

- Worked on the 32-bit to 64-bit migration for the load and save procedure of an ETL tool and added unit tests with Google Test and Google Mock. Added TM1 CAM authentication mechanism through a reverse proxy to a database driver that connects to IBM Cognos server.
- Worked on multiple RESTful micro services for the backend infrastructure of a content distribution system. I added blue-green deployment capabilities as well as the ability to automate the download of content packages to the APIs which were managed by Swagger. JUnit and Mockito were used for the testing framework for each of the micro services. I also worked on the front-end where I materialized UI mockups, made css styling changes, and added Jasmine unit tests.

Software Developer Intern

Vancouver, BC

BuildDirect Technologies

Jan 2016 - Aug 2016

- Focused on front-end development utilizing AngularJS and [ASP.NET](#) MVC to revamp and improve the user cart and checkout experience. Also worked on A/B tests utilizing Adobe Target and Javascript to mock out different user experiences to reduce bounce rate.

PROJECTS

CPSC319 Software Engineering Project

- A web application that allows for querying and filtering a database of user uploaded data of various charitable organizations across BC to create visual dashboards to assist in the client's decision making process for funding and to decrease the reliance of end-user computing with the administrative staff of the organization. This was built utilizing Spring Boot, Gradle, ReactJS, Google Charts, AWS RDS, and AWS Elastic Beanstalk.

Ghost Gear Easy Report (Fish Hackathon 2016 - 3rd place)

- A web application built using Flask and Firebase that allows users to report ghost gear sightings and see reported gear. I worked on the report form, filtering options, and image uploading to database.

ABOUT ME

Technical skills

Java, JavaScript, C/C++, Python, MySQL, HTML, CSS, AWS

Volunteer

Mentor for girls learning code, Business Basics educator at Junior Achievement

EDUCATION

University of British Columbia

Vancouver, BC

Bachelor of Computer Science

Sept 2014 - April 2017

Bachelor of Biology

Sept 2010 - April 2014