

Claire Barretto

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EDUCATION

University of British Columbia, Vancouver, BC

SEP 2010 – DEC 2015

Bachelor of Arts, Computer Science

TECHNICAL SKILLS

Languages & Skills: HTML5, CSS3, JavaScript, Java (*moderate*), PHP (*moderate*), SQL (*moderate*)

Frameworks: jQuery, Backbone.js, AngularJS (*knowledge of*), SASS, Bootstrap

Tools: Git, SVN, Grunt, Eclipse, Stash, JIRA

WORK EXPERIENCE

BC Cancer Agency, Vancouver, BC

MAY 2015 – AUG 2015

Front End Developer, Co-op

- Implemented components in JavaScript for a web-based visualization tool that allows users to interactively analyze large cancer genomic datasets
- Built scalable data visualizations that aggregates millions of data points using d3.js
- Created and optimized JSON-based queries using Elasticsearch

Galdos Systems Inc, Vancouver, BC

JAN 2014 – DEC 2014

Junior Front End Developer, Co-op

- Developed a web application for a registry platform using modern web technologies such as HTML5, CSS3, JavaScript (jQuery, Backbone.js) with extensive AJAX (XML/JSON) usage
- Developed reusable JavaScript widgets to be used in future web clients
- Created an interactive query builder that allows users to build custom complex queries by using logical combinations of free text or spatial filters, with support for nested queries
- Built dashboard visualization tools using d3.js, vis.js and Google Charts

PROJECTS

Spotify Search (JavaScript/AngularJS)

FEB 2016

- Developed an app using AngularJS to search for and preview tracks on Spotify using its Web API

School Management System (JavaScript/Backbone.js and PHP)

JAN 2015 – APR 2015

- Developed a web application for a non-profit organization that allows admins, teachers and students to manage info about themselves and other entities such as courses and assignments
- Led development of front end, using technologies such as HTML5, CSS3, JavaScript (Backbone.js)
- Implemented a RESTful service in PHP using the Slim framework
- Developed tools designed to improve efficiency of administrative tasks such as an import feature (CSV), an export feature (PDF/CSV), and a mass email system (Mandrill)

Sourcecraft Visualization (Java)

SEP 2013 – DEC 2013

- Developed a Java application that takes any code base and turns it into a structured XML file to be visualized as a Minecraft city
- Used static code analysis tools to visualize bugs within the code base