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 & Technologies	HTML5; CSS3 (SASS/Bootstrap); JavaScript (jQuery/Backbone.js); AJAX (XML/JSON); MySQL; Java; PHP *(moderate)*
Tools	Git; SVN; Grunt; Eclipse; Stash; JIRA; Confluence

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 supports viewing 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
- Integrated Google Maps to view and modify spatial data (GM Drawing Library)
- 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

School Management System   JAN 2015 – APR 2015
UBC CPSC 319 – Software Engineering Project
- Developed a web application for a non-profit organization that allows admins, teachers and students to manage data about themselves and entities such as courses and assignments
- Built the front-end using modern web 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 admin tasks such as an import feature (CSV), an export feature (PDF/CSV), a mass email system and an automated student registration process

Sourcecraft Visualization   SEP 2013 – DEC 2013
UBC CPSC 410 – Advanced Software Engineering
- 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