Lisa Kirby

Lisakirby16@gmail.com
+1 604-396-1043
ljkirby.com
github.com/ljkirby

EDUCATION

September 2015 - Current	**University of British Columbia (UBC), Vancouver** B.Eng. - Computer Engineering

TECHNICAL WORK EXPERIENCE

May 2017 - September 2017

Web Developer & IT Special Projects for the Canadian Federal Government
Public Services and Procurement Canada (PSPC), Vancouver, BC

- Built a web interface that enables users to update relevant SQL database tables using AJAX and ColdFusion – site is now used in production
- Worked within a team to develop and optimize the "Timeline Tool" project – a web application used to record, display, and schedule Government initiatives on a graphical timeline using the ASP.NET Model-View-Controller (MVC) architectural pattern
- Served all web maintenance and service requests for existing Pacific Region government web applications within 24 hours

PROJECTS

January 2017 - Current

ljkirby.com – My Personal Website
HTML/CSS, JavaScript

- Built an animated, responsive website that displays my resume and accomplishments

March 2017 - April 2017

Cereal Monitor – A Smart Pantry Scale
HTML/CSS, JavaScript, Python/Raspberry Pi, C/Arduino

- Implemented a 'smart' pantry application that measures the weight of pantry items and dynamically updates a shopping list to display items that fall under 35% of their initial weight
- Headed the design and implementation of the web application, which utilized HTML, CSS, and JavaScript to retrieve and display python-parsed scale data

February 2017 - March 2017

Autonomous Robot Car
C/Arduino

- Worked within a team of 6 to create an autonomous Arduino-driven robot that can intelligently navigate around objects, use reflective optical sensors to follow a path of black tape, and draw the Mona Lisa pixel-by-pixel

October 2016

Twitter Analyst
Java

- Implemented a graph-based interface that identifies common influencers between users and the minimum number of times a tweet must be retweeted for it to appear on a specific user's feed
- Utilized Breadth First Search and Depth First Search algorithms for efficient graph traversal

TECHNICAL KNOWLEDGE

Programming Languages:	Java, JavaScript, C/C++, C#
Markup/Query Languages:	HTML, ColdFusion, SQL, XHTML
Tools, Frameworks, & Libraries:	Git, JQuery, ASP.NET MVC, Bootstrap, p5.js, AJAX
Relevant Coursework:	CPEN 221 – Principles of Software Construction, CPSC 261 – Basics of Computer Systems, CPEN 211 – Introduction to Microcomputers, CPEN 291 – Computer Engineering Design Studio I