

Colin Leung

CONTACT INFORMATION	phone: (778)-772-6793 email: colinmleung@gmail.com	website: www.colinmleung.com code: www.github.com/colinmleung
SKILLS	Languages and Libraries: HTML, CSS, Javascript (Dojo Toolkit), AJAX, PHP, MySQL, C, C++, Java, x86 Assembly, L ^A T _E X, Processing, OpenCV, MATLAB Development Systems: Linux, Windows, Visual Studio, Eclipse, Vim, Git	
EXPERIENCE	Ingenium Technologies Software Developer • job description	Vancouver, British Columbia, Canada January 2013 – Present
	Broadcom Corporation Software Developer • Collaborated with remote teams using Git and JIRA to debug complex firmware issues related to multimedia use-cases on smartphone processors • Rapidly analyzed power consumption of new software releases, enabling our team to become the first within the Power Management group to meet our low power targets	Richmond, British Columbia, Canada May 2012 – December 2012
	Taiheiyo Cement Corporation Image Analysis Programmer • Evaluated software platforms(OpenCV, ImageJ, Scilab, MATLAB) and prototyped algorithms to create turn-key image analysis solutions for the Cement Chemistry Team • Designed, optimized, and filed patents for two cement image analysis algorithms	Sakura, Chiba, Japan May 2011 – December 2011
	A.U.G. Signals Ltd. Software Engineer • Developed interfaces written in C++ and MATLAB to showcase signal processing algorithms • Improved user interface interaction by implementing loading bars and cursor changes, following HCI concepts such as the visibility and feedback principles	Toronto, Ontario, Canada January 2010 – April 2010
PROJECTS	Reddit Sentiment Analysis Mashup • Developed a web application that allows users to enter a search term and analyze the first nine reddit post results for their sentiment polarity • Utilized PHP proxies for cross domain AJAX, and managed consecutive API calls with Dojo	Novemer 2012 – December 2012
	Text Adventure Game • Programmed a console text adventure game written with Java in Eclipse • Applied the state, observer, and singleton patterns to create a framework for content addition	Novemer 2012 – December 2012
	Work Journal Web Application • Created a CRUD web application that allows users to create templates of journal prompts and use them to write journal entries • Enforced Model-View-Controller architecture using the abstract factory pattern written in PHP • Used AJAX and progressive enhancement to improve application response times and accessibility • Applied the module pattern in Javascript with Dojo to replicate object-oriented functionality	October 2012 – December 2012
	Autonomous Racing Robot • Built a tape-following robot and programmed it's control algorithms based on a primitive finite state machine using Processing, in colloboration with three team members	May 2010 – August 2010
EDUCATION	University of British Columbia Bachelor of Applied Science Major in Engineering Physics, Electrical Option	Vancouver, BC Expected Completion Date: April 2014 CGPA: 85.1%
AWARDS	Dean's Honour List 1st Place in the 10th Annual Engineering Physics Robot Competition NSERC Undergraduate Student Research Award	May 2009 - Present August 2010 January 2010