Jeffrey Wong
jeffsmw.com

Technical Skills

Software:
- 8052 Assembly
- C, C#, Java, JUnit
- LaTeX
- Unix
- VHDL
- HTML, CSS

Hardware:
- 8052 Microcontroller
- Circuitry (breadboards, soldering, reflow soldering, wiring)
- LP51B PCB Microcontroller
- Oscilloscope, multimeter, function generator

Education

Academic Program   September 2012 – April 2016
- Studied Computer Engineering at the University of British Columbia

Technical Project

Reflow Solder Oven Controller   January 2014 – May 2014
- Wrote a program in assembly for the 8052 Microcontroller, that utilizes state machines to accurately reflow solder for printed circuit boards
- Initialized Crystalfontz America CFAH1602B LCD display on 8052 Microcontroller, using and creating characters in order to have a user friendly interface
- Consistently checked for errors, using Github as a means for version history and noting down errors as well as fixes

Electromagnetic Tether Robot   January 2014 – May 2014
- Created LP51B PCBs, a serial resonant tank circuit, and an H-bridge, to generate an electric transmitter and receiver
- Designed peak detectors, which output the peak value of the electromagnetic field into the channels of the analog digital converter
- Tested infrared as collision detection but failed to implement it into the robot

IEEE UBC Branch Think Engineering Website   July 2014 – Present
- Creating a responsive webpage to advertise for an IEEE event
- Designed with future events in mind
- Design a user friendly, intuitive, and attractive site
- Hosting on Github, which is also used for version control

Other Work Experience:

UBC IEEE Student Branch, 2356 Main Mall, Vancouver, BC   **June 2014 – Present**
IT & Website Leader
- Placed 2nd place in Region 7 (Canada) for the 2015 IEEE website competition
- Created a dedicated website for a networking event
- Implemented archiving system for the student branch

Banana Republic Factory Outlet, 7899 Templeton Road, Richmond, BC   **July 2015 – Present**
Stock and Replenishment Specialist
- Maintain a clean and organized stock room
- Provide excellent customer service in an efficient manner
- Temporary key holder for Gap Factory Outlet in August

Koerner's Pub, 6371 Crescent Road, Vancouver, BC   **Sept. 2014 – Aug.2015**
Line Chef
- Create dishes in a safe and efficient manner, while paying attention to detail
- Work in a fast paced environment and adapting to situational problems
- Communicate with coworkers to produce high quality service

Extreme Air Park, 14380 Triangle Road, Richmond, BC   **June 2013 – Aug.2013**
Floor Monitor
- Enforced regulations and maintain control over the trampoline environment
- Responded to injuries, including handling emergency situations
- Maintain constant supervision of up to a hundred people at a time

Volunteer Experience:

Steveston-London Secondary School, 6600 Williams Road, Richmond, BC
Head Swim Coach   **Sept.2009 – Nov.2011**
- Used knowledge from summer swim team to coach students both younger and older
- Provide a competitive and fun learning environment, bringing out the competitive potential in each swimmer individually
- Attended BC Provincials 3 consecutive years

Grade 8 Camp Leader   **Sept.2010, Sept.2011**
- Met over the summer with other leaders to organize, plan, and create a schedule of events and interactive learning sessions
- Entertain and welcome the new high school students, through icebreakers, games, and engaging activities

Additional Interests and Hobbies:

- Swimming, volleyball, skateboarding
- Architectural design, technological concepts, efficient living
- Photoshop, SketchUp
- cooking, boardgames, twisty puzzles, sneakers