

Justin Crosby

tel 604.740.2741
email jcrosby@sfu.ca
mail 818 Porter Street
Coquitlam, BC V3J 5C2

EDUCATION

Simon Fraser University

September 2012 - Present

- Second year Bachelor of Applied Science, Computer Engineering Program
- 3.47 GPA
- Dean's Honor Roll Spring/Summer 2013

SKILLS

Operating Systems

- Mac OS X 10.3-10.8, Windows XP-8, Ubuntu Linux 8.04-12.04

Languages

- C++, Java, Processing/Arduino, XML, CSS/HTML

Software

- Eclipse, Visual Studio, Final Cut Pro, Photoshop/GIMP, VirtualBox, MS Word/Excel/PowerPoint

Other

- Experience with lab equipment; Oscilloscope, DMM, Function Generator

TECHNICAL EXPERIENCE

Bit Stew - Burnaby, BC

June 2012 - Present

QA Tester, Intro Into Programming

- Manually tested web interfaces/software and reported back to developers so bugs could be fixed
- Leaned coding languages; Java, XML, CSS, HTML
- Implemented software on Linux gateways that allowed the collection of energy use information

PROJECTS

Raspberry Pi Media Center - Self Driven Project

August 2013

Computer Technician

- Setup Raspbmc and PlexBMC for easy media streaming from Plex Media Server to TV
- Enabled control with Wii Remote via Bluetooth to navigate wirelessly without mouse/keyboard
- Installed Plex Media Server on a separate Ubuntu machine to serve media to Raspberry Pi

Dynamic Brake Lights - Engineering Group Project - SFU

September - December 2012

Lead Programmer

- Created new system of brake lights that visually displayed the magnitude of deceleration of a car, instead of the standard on/off system
- Designed and built Arduino program that took inputs from pressure pads and translated that into acceleration/deceleration and then turned on a specific amount of lights

PROJECTS

Reversi Game - C++ Programming Project - SFU

October 2012

Individual Term Project

- Built a console-based Reversi game
- Allowed two players to play Reversi on a graphically displayed game board in the console

Text Adventure Game - Self Driven Project

July - August 2012

Lead Programmer

- Built 'Zork' like text adventure game from ground up that took in text commands and allowed exploration and interaction with a mythical world
- Added GUI interface using Java Swing to original command line game that displayed html version of input/output which enabled text styling

OTHER EXPERIENCE

Hockey Refereeing - Gibsons, BC

2007 - 2012

Referee/Linesman

- Managed hockey games with penalties which prevented games from getting out of hand
- Communicated with coaches and players to keep games running smoothly
- Used judgement and quick thinking to make games fair

VOLUNTEER EXPERIENCE

Sunshine Coast Salmonid Enhancement Society - Gibsons, BC

2009 - 2012

Customer Assistant

- Participated in the annual "Catch-a-Trout Day," that raised money for the SCSES
- Directed cars so that the limited parking areas were used effectively
- Instructed children on the correct technique so that they could catch their trout

Hockey Charity Events - Gibsons, BC

2011/2012

Referee

- Partnered up with my father to referee two events that raised money for the Muscular Dystrophy Association

INTERESTS

Music

Concert pianist playing at grade eight level

Video/Photography

Capturing and editing video, images and graphics

Sports

Mountain biking, hockey and baseball