Mark Lauman

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Summary

I have a diverse background, drawing from interactive design, computing science and the performing arts to create and manage ideas in the world around me. With nine years submersed in team environments, I am an accomplished team player and leader, with a diverse collaborative skillset, and an interest in learning new things.

Skills

Hardware
Arduino
Raspberry Pi
Electrical Circuits
Gear Systems

Programming
C++
Java
Haskell
LISP

Software
Adobe Creative Suite
 + GNU equivalents
Solidworks

Web Development
LAMP Administration
Drupal CMS
HTML5 & Javascript

Social
Public Speaker
Skilled Writer
Natural Leader
Clear Mentor + Instructor

Other
Visual Design Training
Agile Development Methods
Market Research

Project Work (Samples below - full list on website)

My Website   Spring 2013

Skills: *LAMP Server, Raspberry Pi, HTML5, PHP, DNS, Visual Design*

Brief: *By myself, sought to turn a credit-card sized computer in to a webserver.*

Result: *My webpage is currently hosted in this server.*

VJukeBox   Spring 2012

Skills: *Team Management, Long-term planning, milestone creation, Arduino, Electrical wiring, Market research, User testing*

Brief: *In a team of 5, sought out a senior community, determined their needs and developed a Video Jukebox in response to those needs.*

Result: *A fully functional prototype VJukeBox, which received a positive reaction from the seniors, and our mentors.*

Flower Power   Spring 2011

Skills: *Arduino, Circuit Design, Fabrication, Leadership, Art Design*

Brief: *Led a team of 4, created a green art piece that was to be installed in a home.*

Result: *A smart meter that aroused the interest of our professor, classmates and test group.*

Team Renegade Email Suite   Fall 2009

Skills: *Processing, team management, UI design*

Brief: *In a team of 4, redesigned an email suite to make it easier for novices, and more flexible for experts.*

Result: *A prototype suite which surprised the class, sorting email in an innovative fashion.*

Work Experience

Electronics Retail Assistant   *2007-2013*

Location: *Langley Real Canadian Superstore*
Skills: *Communication, Product Knowledge, IT Support, Troubleshooting, Merchandising*
Brief: I was responsible for customer relations, sale floor maintenance and technical maintenance in my department. If a machine was broken, it was my job to fix it, or failing that to report the issue to my department manager. If a customer needed help with a decision, particularly ones that relied on technical differences, I aided them in their choice. I also assisted those who could not work with our computers, so that they could better use our services.

Theatre Technician   *2003-2006*

Location: *Langley Fine Arts School: Chief Sepass Theatre*
Skills: *Electrical Knowledge, Stage Light Layout, Electrical Wiring, Sound Mixing, Improvisation, Clear Communication, Leadership, Teamwork.*
Brief: I was in charge of providing technical support for many of our clients. My tasks were varied and included: working as a sound and light technician, coordinating with performers backstage, deploying new stage setups for different performances, set demolition and construction, and (in larger performances) the coordination of teams of fellow technicians.

Education

Simon Fraser University   *2006-2012*

Interactive Arts and Technology with Computing Science Minor (BSc)

General: *A blend of interactive arts and computing science courses. This combination of programs encourages innovative thinking, while tempering it with a realistic outlook.*
Course Work: Almost all course work was done in 5-person teams.
             Software Development (C++, Java, Haskell, LISP), Hardware Development (Prototyping and CNC), Web Development (LAMP, HTML 4 & 5, SQL), Social Research Methodologies, Informatics and Design
Awards: *SFU Summit Entrance Scholarship*

Langley Fine Arts School   *2000-2006*

Dogwood Diploma (Drama Specialization)

Awards: *Best theatre technician*
             Highest grades in IT and Chemistry.

Interests

Digital Tinkerer

Technology fascinates me. I always have one or more software development projects going at a time. In addition to my school projects, I have pursued peronal projects in Android, web and hardware development for fun.

Web Developer

As an area of strong innovation, the web has always interested me as a platform. It always manages to surprise me - and this surprise has led to a detailed study of its technologies and how I can put them to use.

Video Game Development

I have always been an avid game player, but since high school I have also gained an academic interest in games. I like understanding how they work, what makes them fun, and what they can offer to other disciplines to increase engagement.