

## profile / summary

Lorne McIntosh is an IT professional with strong skills in a variety of fields including software engineering, programming, computer graphics, web-design, and computer consulting. Lorne is highly motivated with excellent communication, leadership, and team skills. Assorted projects and achievements are available at [www.lorneswork.com](http://www.lorneswork.com).

## technical skills

Skills	Software	Accomplishments
<b>Programming</b>	MS Visual Studio .net Java NetBeans IDE 4.0 <hr/> <ul style="list-style-type: none"> <li>• C++</li> <li>• Java</li> <li>• Visual Basic</li> <li>• DirectX API</li> </ul>	<hr/> <p style="text-align: center;"><b>Java AI Tournament</b></p> <hr/> <p>Used my knowledge of object-oriented data-structures and algorithms to program an artificially intelligent 'tank' that placed 1<sup>st</sup> in the 2003 SFU 'Robocode' AI programming tournament, beating out some 45 other competitors.  <a href="http://robocode.alphaworks.ibm.com/">(http://robocode.alphaworks.ibm.com/)</a></p>
<b>Software Engineering</b>	Unified Modeling Language Object-Oriented Analysis & Design	<hr/> <p style="text-align: center;"><b>Auction System Project</b></p> <hr/> <p>On a team of 4, I used object-oriented analysis and design methodology to model, implement, and document an electronic auction system, similar to eBay. The team achieved a grade of 96% on the final product from the professor.</p>
<b>Computer Graphics</b>	Adobe Photoshop CS Discreet 3DStudio Max 7 Softimage XSI Valve Hammer Editor Discreet AutoCAD 2000	<hr/> <p style="text-align: center;"><b>Source Engine Project</b></p> <hr/> <p>Modeled and texture-mapped a realistic three-dimensional environment for Valve Software's Source Engine. My XSI modeling / texturing skills, digital photography skills, Photoshop skills, and knowledge of real-time 3D engines were all used extensively in completing this project. Was selected to present the finished product to a room of 30 peers, and received an A+ grade from the professor.</p>
<b>Web Design / Programming</b>	Macromedia Dreamweaver Macromedia Flash MX Microsoft FrontPage <hr/> <ul style="list-style-type: none"> <li>• PHP 5.0</li> <li>• MySQL</li> <li>• JavaScript</li> <li>• CSS</li> <li>• HTML</li> </ul>	<hr/> <p style="text-align: center;"><b>WebCalendar Project</b></p> <hr/> <p>Working on a team of 4 I planned, developed, and documented a web-based calendar and event scheduling system using PHP, MySQL, and Apache HTTP Server. Designed to aid in organizing meetings for the employees of large organizations, it features several calendar views, intuitive interfaces for adding / deleting events, and streamlined navigation. My role included coding of all the PHP scripts, MySQL database setup / integration, and user interface design.</p>
<b>Hardware / Operating Systems</b>	Microsoft Windows XP Red Hat Linux 9 Apple OSX	<hr/> <p style="text-align: center;"><b>My Computer / Network</b></p> <hr/> <p>Researched and bought hardware to maximize speed and stability, when assembling my desktop computer from scratch. Installed Windows XP and Red Hat Linux 9, in a dual-boot configuration. Set up and configured a wired Ethernet / wireless 802.11 network with DHCP for dynamic IP addressing, port-forwarding for various services, and AES encryption for wireless security.</p>

## education

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**Simon Fraser University Surrey**      [www.surrey.sfu.ca](http://www.surrey.sfu.ca)      **(2002 – present)**

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Currently in the 3<sup>rd</sup> year of a 4 year Information Technology program that teaches software development, programming, hardware and operating system theory, computer graphics, networking and database technologies, computer security, project management, and communication skills. GPA last semester of 3.51

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**South Delta Secondary School**      [www.deltasd.bc.ca/sd](http://www.deltasd.bc.ca/sd)      **(1997 – 2002)**

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Graduated from high-school on the honour-roll with 98% in Information Technology 12, and received an Academic Achievement Award from the principal.

## work experience

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**Simon Fraser University Surrey**      [www.surrey.sfu.ca](http://www.surrey.sfu.ca)      **(2004 – present)**

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Employed on a team of 3 by the University, developing and delivering a series of videogame programming courses for high-school students. Duties include planning course content, writing tutorials, developing course websites, coordinating with and briefing management, and delivering courses to classes of 10 – 15 students.

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**Safeway Inc.**      [www.safeway.com](http://www.safeway.com)      **(2003 – present)**

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Employed at Safeway Inc. as a cashier, quickly and accurately processing orders at the checkout while developing a friendly rapport with customers. Duties include handling up to \$5000 in transactions per shift, balancing the register, managing electronic fund transfer receipts, and ensuring smooth operation of the front-end.

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**Computer Consultant**      **(2002 – present)**

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3 years experience self-employed as a computer consultant, troubleshooting and repairing dozens of systems afflicted with everything from viruses, to hardware-failures, to networking issues. Duties also include advising on hardware / software upgrades, and custom-building new computer systems to suit a clients specific needs.

## references

Available upon request.