

# Matt Fisher - CV

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## Interactive Web and Systems Developer

### Toronto, ON

Interactive web and systems developer with experience building and maintaining websites with dynamic flash content and multimedia management applications for top companies. Specializing in ActionScript 3, PHP, server architecture and maintenance, as well as web-management applications.

## Objective & Skills

### Work Experience Summary

Web Development – 8+ years  
Flash ActionScript Programming – 5+ years  
HTML & CSS Programming – 8+ years  
PHP Programming – 5+ years

Perl & Python Programming – 2+ years  
Server Architecture – 5+ years  
Linux System Administration – 5+ years  
Flash Database Integration – 3+ years

## Proficiencies

### Web Programming

PHP, JavaScript (jQuery, [script.aculo.us](http://script.aculo.us)), CSS, Actionscript 2 & 3 (Flash Media Server, Adobe AIR, Smartfox Server Framework, PaperVision3D)

### Backend Programming

BASH script, MySQL, MSSQL, sqLight, Python, Perl

### Hardware Programming

Arduino, Processing, ATmega Microcontrollers

### Operating Systems

All Linux & GNU distributions, IRIX, Apple OS X 10.6.x & predecessors, Windows 7 & predecessors

### Other Applications

Unix/Linux & Windows based web servers (Apache, lightHTTPd, IIS), VMWare Infrastructure (ESX/ESXi), Adobe CS4

## Tools

Below is a list of most of the software, web applications and operating systems I use regularly.

### Software & Web Applications

Apple OS X  
Windows 7  
Linux – Ubuntu, Debian, CentOS  
Wordpress, Drupal, Joomla, CakePHP  
Subversion, CVS, GIT  
POSTFIX, Dovecot

SSH, SFTP, FTP  
Google Earth & Maps API  
Adobe CS4, GIMP  
Microsoft Office, OpenOffice  
Twitter & Facebook API  
Arduino

## Multimedia & Web Development Experience

January 2011 - Present

### jam3 | Toronto, ON

[jam3.com](http://jam3.com) | Senior Web Developer

September 2010 - Present

### Centennial College | Toronto, ON

[centennialcollege.ca](http://centennialcollege.ca) | Professor – Interactive Digital Media

- Winter 2011 – Senior Project -
- Fall 2010 - Production Tools 1 - Enables the learner to develop a thorough understanding of the software used in the creation of web content, including advanced techniques using specialized software required for creating interactive digital media projects.

March 2010 –  
January 2011

## marblemedia | Toronto, ON

[marblemedia.com](http://marblemedia.com) | Senior Interactive Developer

- Lead on major interactive projects, including marblemedia's first multiplayer online game
- Engineered redundant multiplayer server setup
- Responsible for managing third party programmers to complete projects
- Technical consultant on all in interactive development

[Skatoony.ca](http://Skatoony.ca) | *Skatoony.ca Home Game*

[Flash 10 / AS3 | Smartfox Server / Terracotta Cluster | PHP | mySQL | JavaScript | XHTML | CSS]

- Lead developer creating marblemedia's and Teletoon's first multiplayer game.
- Managed in and out of office development teams.

May 2008 -  
February 2010

## A51 Integrated | Toronto, ON

[A51Integrated.com](http://A51Integrated.com) | Web Applications Developer & Systems Administrator

- Served as primary architect on the internal server structure; reconfigured servers from a Windows to Linux server environment.
- Consolidated all company servers to virtual machines running on VMWare ESXi Hypervisors. This allows for easy system backups and capacity for multiple servers to run on a single machine. This resulted in a dramatic cost reduction in both energy and hardware costs.
- Set-up office POSTFIX and Dovecot email servers.
- Implemented Subversion version control for managing ongoing projects.
- Transitioned all previous projects to a superior hosting service to cut costs and increase ease of use and speed of pageloads.
- Developed and contributed to a number of commercial websites, serving a number of industries, using a wide-array of programming languages.

[ScapeNation.com](http://ScapeNation.com) | *ScapeNation*

[Flash 9 / AS3 | Smartfox Server / Terracotta Cluster | PHP | mySQL | JavaScript | XHTML | CSS]

- Served as primary developer on ScapeNation, an online world made up of six islands designed for tweens. ScapeNation featured flash-based games, chat between users (public and private messaging), customizable avatars and home environments, as well as an e-commerce system.
- Built language filter to create a family-friendly environment for young users.
- Created the first production-level, fully redundant Smartfox Server clusters with Terracotta JRE back-end. Wrote a white paper on the setup and configuration which was published on the Smartfox Server website. [www.smartfoxserver.com/clustering/](http://www.smartfoxserver.com/clustering/)

[OMHC.com](http://OMHC.com) | *Olympus Managed Health Care*

[ASP.NET | MSSQL | Flash 9 / AS3 | JavaScript | XHTML | CSS]

- Developed interactive website with embedded flash video player, photo gallery and animated graphics.

[TheatreProjects.com](http://TheatreProjects.com) | *Theatre Projects*

[CakePHP MVC | mySQL | Flash 9 / AS3 | JavaScript | XHTML | CSS]

- Developed interactive website with embedded flash video player, photo gallery and animated graphics.

[GrapesforHumanity.com](http://GrapesforHumanity.com) | [GrapesforHumanityUS.com](http://GrapesforHumanityUS.com) | *Grapes for Humanity*

[WordPress | Flash 9 / AS3 | mySQL | JavaScript | XHTML | CSS]

- Developed custom theme for the WordPress blog engine which includes flash photo gallery and video player.

[GlasGrp.com](#) | [SFOrganization.com](#) | **Glasgow Group & Solutions Focus Organization**

[WordPress | mySQL | JavaScript | XHTML | CSS]

- Developed custom theme for the WordPress blog engine.

May 2006 - April 2008

## marblemedia | Toronto, ON

[marblemedia.com](#) | Interactive Developer

- Created a customized geo-location PHP/mySQL API for projects which needed to behave uniquely for users in different parts of the world.
- Developed intranet for management to showcase some of the creative things produced by the interactive department.
- Assisted in system administration tasks in the office and data center.
- Developed and contributed to a number of websites using a wide-array of programming languages.

[theAdrenalineProject.ytv.com](#) | **The Adrenaline Project Website**

[Flash 9 / AS3]

- Embedded previously developed video player with a built-in advertising system to allow for dynamic advertising placement throughout a clip.

[SmartWoman.wnetwork.com](#) | **SmartWoman.tv | Smart Woman Survival Guide Interactive Video Site**

[Flash 9 / AS3]

- Developed a custom Flash video player which supports embedded advertisements via XML and places them in a visible state on the timeline. The player requires users to watch placed advertisements once before proceeding to watch the remainder of the selected video.

[SeductiveShorts.com](#) | [ShortsinMotion.com](#) | **Bravo!FACT: Shorts in Motion 2007**

[Flash 8 / AS2 | PHP | mySQL | SMS/MMS Mobile Backend]

- Contributed to the development of interactive web and mobile content for Shorts In Motion: The Art of Seduction, an initiative by Bravo!FACT, marblemedia and the NFB, featuring a series of short films by famous Canadian artists.
- Developed mobile SMS interactivity including polling, video and user-submitted content.
- Developed flash video player, various interactive applications and animated graphics.
- 2007 Global Mobile Awards - Best made for mobile video service.
- 2007 International Interactive Emmy Awards - Nominated for best interactive program.
- 2007 Canadian New Media Award – Nominated for excellence in cross platform.

[ThisisEmilyYeung.com](#) | [ThisisEmilyYeung.treehousetv.com](#) | **This is Emily Yeung's Interactive Web Site**

[Flash 8 / AS2 | PHP | mySQL]

- Developed games to create interactive online experiences for preschoolers. The games developed incorporate the child by using animated instructions, and other design features which include bright symbols.
- 2008 Webby Award - Official honoree for the youth category.
- 2007 Gemini Award - Nominated for most popular website.
- 2007 ACT Award of Excellence - Nominee for best website.

	<p><b><a href="http://ThisisDanielCook.com">ThisisDanielCook.com</a>   <i>This is Daniel Cook's Interactive Web Site</i></b>  <b>[Flash 8/AS2   PHP   mySQL]</b></p> <ul style="list-style-type: none"> <li>● This is Daniel Cook' is a television series for preschoolers produced by Marblemedia and Sinking Ship Productions in association with Treehouse Television. Contributed to website which hosts a 'digital' version of the show's starring character, Daniel, which the user can interact and play games with in his animated playroom and backyard.</li> <li>● 2007 iParenting Media Award</li> <li>● 2007 Webby Award - Official honoree for the youth category.</li> <li>● 2007 NHK Japan Prize Web Division - Finalist</li> <li>● 2006 Gemini Awards - Nominated for best cross platform project.</li> <li>● 2006 Gemini Awards - Nominated for most popular website.</li> <li>● 2006 Prix Jeunesse Web Prize - Preschool Web Prize</li> </ul>
July 2003 - August 2004	<p><b>MP Russo &amp; Associates   Clinton, ON</b>  <a href="http://www.MPRusso.com">www.MPRusso.com</a>   Lead System Administrator / Developer</p> <ul style="list-style-type: none"> <li>● Developed an interactive online inventory database for warehouse stock information. The database links information from all company warehouses and offices.</li> <li>● Developed company intranet to allow for communication within the warehouse and office.</li> <li>● Implemented customized anti-spam application and network gateway, preventing more than 90 per cent of all junk mail from entering the network and increasing network speed 20-30 per cent.</li> <li>● Successfully recovered the internal network and 100 per cent of its data in less than 20 hours after a malicious network attack in 2003.</li> </ul>
2004	<p><b>Dave Latour Animation   Bayfield, ON</b>  <a href="http://DLatour.com">DLatour.com</a>   Freelance Design &amp; Development</p> <ul style="list-style-type: none"> <li>● Developed a custom online portfolio with a back-end to allow the client to make updates.</li> </ul>
<b>Public Speaking</b>	
	<p><b>Flash In TO   Toronto, ON</b>  <a href="http://FlashInTo.com">FlashInTo.com</a>   Guest Speaker</p> <p>February 28, 2007: Integrating Mobile Interactivity to a Flash based Website  February 22, 2006: Discussion on Intelligent &amp; Efficient Dynamic Web Programming</p>
<b>Education</b>	
	<p><b>Rich Media Institute   richmediainstitute.com</b>  Completed Certificates</p> <ul style="list-style-type: none"> <li>● Adobe Flex 3 Microarchitectures in PureMVC</li> <li>● Special Topics in Flash Video: Adding Cue Points with ActionScript 3</li> <li>● Special Topics in Flash Video: Motion Detection with the Webcam in AS3</li> <li>● Flash CS4 XML</li> <li>● ActionScript 3 Events</li> <li>● Advanced Actionscript Development with FDT</li> <li>● Tweening With Chris Georgenez</li> </ul>
2004-2007	<p><b>Humber College   Toronto, ON</b>  <b>Multimedia Design &amp; Production Technician</b></p> <ul style="list-style-type: none"> <li>● Received bursary for high-school academic performance.</li> </ul>

## Interests

**Aviation** - Canadian recreational pilot permit (in progress). Private Pilot Licence for Foreign and Military Applicants, Aviation Regulation Examination completed.

**Nautical** - Canadian Pleasure Craft Operator Card - Captain > 80ft watercraft, Canadian Pleasure Craft Operator Test Supervisor

**Robotics & Electrical Engineering**