

Matt Fisher - CV

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Interactive Web and Systems Developer

Toronto, ON

Interactive web and systems developer with experience building and maintaining award winning websites with dynamic flash content and multimedia management applications for top companies around the world. Specializing in ActionScript 3, HTML5, PHP, mobile development, server architecture and maintenance, as well as web-management applications.

Awards

- 2010 Canadian New Media – Nomination for Developer of the Year

Objective & Skills

Work Experience Summary

Web Development – 8+ years
ActionScript Programming – 5+ years
HTML & CSS Programming – 8+ years
PHP Programming – 6+ years

Perl & Python Programming – 2+ years
Server Architecture – 5+ years
Linux System Administration – 5+ years
Robotics Development – 2+ years

Proficiencies

Development

PHP, Python, HTML5, JavaScript (jQuery stack), AS3 (FMS, Adobe AIR, Smartfox Server Framework)

Backend

BASH scripting, MySQL, MSSQL, sqLight, Python

Hardware

Arduino, Processing, ATmega Microcontrollers, X10

OS

Linux & GNU distributions, OS X, Windows, IRIX

Other

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

Tools

Software & Web Applications

OS X, Windows, Ubuntu, Debian, CentOS
CodeIgniter, CakePHP, Wordpress, Drupal,
oAuth2, Facebook Graph API,
GIT, SVN, CVS
POSTFIX, Dovecot

SSH, SFTP, FTP
Google Earth & Maps API
Adobe CS5+, GIMP
Microsoft Office, OpenOffice
Arduino

Multimedia & Web Development Experience

January 2011 - Present

jam3 | Toronto, ON

jam3.com | Senior Developer

- Development lead on many internal projects using a large spectrum of technology and development platforms. (HTML5, Flash, AIR, PHP, MySQL)
- Lead system architect on development version control upgrade. Moved entire existing codebase from SVN to GIT. Trained all internal developers on GIT usage.
- Integrated new custom file servers for employee usage. Systems developed on RAID10 configurations for disk redundancy and speed.
- Developed custom automatic off-site backups of internal storage via encrypted connection to off-site host
- Implemented office transparent LAN networking to a local data centre for off-site network control.
- Obtained, configured and implemented new enterprise level firewall systems for office security (Watchguard).

- Created and manage new secure SSLVPN office network configuration, allowing employees to easily connect to the office over a secure encrypted connection.

bear71.nfb.ca | *National Film Board of Canada – Bear 71*

[AS3 | Smartfox Server | PHP | mySQL | JavaScript | HTML5 | CSS]

- Architected and implemented clustered Smartfox Server configurations with Redbox streaming video server backends for multiuser interactivity. Multiuser systems are used on the web as well as during live events.
- One Show Interactive Gold Pencil 2012
- 2012 FITC Award – Technical Excellence
- FWA Site of the Month March 2012
- FWA Site of the Day March 1st 2012

jam3.com | *Jam3 Flash & Jam3 Mobile*

[AS3 | PHP | jQuery Mobile | HTML5 | CSS]

- Developed mobile friendly version of the award winning Jam3.com website. System was built on early alpha versions of jQuery Mobile which allowed for Jam3 to submit many early bugs caught in alpha versions of the jQuery Mobile project.
- 2012 FITC Award – Visual Design
- 2012 FITC Award Nomination – Self Promotion
- 2012 FITC Award Nomination – Best Canadian Studio Website

Bjork.com | *Bjork HTML5 Website Update*

[JavaScript | HTML5 | CSS]

- Lead the web optimization team to debug and optimize performance on all desktop and mobile Internet browsers.
- One Show Interactive Silver Pencil 2012
- Winner of the 2011 Pixel Awards competition in the Music category.
- FWA Site of the Day August 15th 2011
- Gold Davey Award

earthsmart.van.fedex.com | *FedEx Earth Smart*

[JavaScript | HTML5 | CSS]

- Developed mobile friendly mini applications to be shown in the Earth Smart web framework. Entire site is desktop and mobile friendly.
- FWA Site of the Day March 1st 2012
- FWA Mobile Site of the Day December 20th 2011

September 2011 – December 2011

University of Toronto | Toronto, ON

utoronto.ca | Professor – New Media – Digital Fundamentals

- Constructed and presented a new 15 week curriculum, updating an old out of date outline and bringing third year New Media students up to date with current web development technologies.
- Conveyed the entire technology stack in presentations, examples and demos including HTML, CSS, JavaScript, PHP & MySQL in 90 in class hours.

September 2010 – August 2011

Centennial College | Toronto, ON

centennialcollege.ca | Professor – Interactive Digital Media

IDM 432 Mobile Development Technologies - Summer 2011

- Cross platform native, hybrid and web development for tablets and phones.

IDM 426 Senior Project - Winter 2010 – 2011

- Supervision and guidance during conception and development of senior students final project.

	<p>IDM 401 Production Tools 1 - Fall 2010</p> <ul style="list-style-type: none"> • Introduction to common web development with the LAMP (Linux, Apache, MySQL & PHP) stack.
<p><i>March 2010 – January 2011</i></p>	<p>marblemedia Toronto, ON <u>marblemedia.com</u> Senior Interactive Developer</p> <ul style="list-style-type: none"> • Lead developer on all interactive projects, including marblemedia's first multiplayer online game. • Responsible for managing internal and external developers to complete projects on time and to specification. • Technical consultant on all in interactive development. <p><u>Skatoony.ca</u> Skatoony.ca Home Game [Flash 10 / AS3 Smartfox Server / Terracotta Cluster PHP mySQL JavaScript HTML CSS]</p> <ul style="list-style-type: none"> • Lead developer creating marblemedia's and Teletoon's first multiplayer game. • Engineered a clustered redundant multiplayer server setup allowing for maximum application uptime. • Managed in and out of office development teams. • 2011 Winner of a Gold W3 Award – Best Children's Cross Platform Game
<p><i>May 2008 - February 2010</i></p>	<p>A51 Integrated Toronto, ON <u>A51Integrated.com</u> Web Applications Developer & Systems Administrator</p> <ul style="list-style-type: none"> • 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 page loads. • Developed and contributed to a number of commercial websites, serving a number of industries, using a wide-array of programming languages. <p><u>ScapeNation.com</u> ScapeNation (Project Discontinued) [Flash 9 / AS3 Smartfox Server / Terracotta Cluster PHP MySQL JS HTML CSS]</p> <ul style="list-style-type: none"> • 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. http://smartfoxserver.com/docs/1x/docPages/articles/clustering.html <p><u>OMHC.com</u> Olympus Managed Health Care [ASP.NET MSSQL Flash 9 / AS3 JS HTML CSS]</p> <ul style="list-style-type: none"> • Developed interactive website with embedded flash video player, photo gallery and animated graphics.

TheatreProjects.com | Theatre Projects
[CakePHP | MySQL | Flash 9 / AS3 | JS | HTML | CSS]

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

GrapesforHumanity.com | GrapesforHumanityUS.com | Grapes for Humanity
[WordPress | Flash 9 / AS3 | MySQL | JS | HTML | 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 | JS | HTML | CSS]

- Developed custom theme for the Wordpress 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 centre.
- Developed and contributed to a number of websites using a wide-array of programming languages.

theadrenalineproject.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.

[ThisisDanielCook.com](#) | *This is Daniel Cook's Interactive Web Site*

[Flash 8/AS2 | PHP | mySQL]

- This is Daniel Cook' is a television series for preschoolers produced by marbledmedia 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.
- 2007 iParenting Media Award
- 2007 Webby Award - Official honoree for the youth category.
- 2007 NHK Japan Prize Web Division – Finalist
- 2006 Gemini Awards - Nominated for best cross platform project.
- 2006 Gemini Awards - Nominated for most popular website.
- 2006 Prix Jeunesse Web Prize - Preschool Web Prize

**July 2003 -
August 2004**

MP Russo & Associates | Clinton, ON

[www.MPRusso.com](#) | Lead System Administrator / Developer

- Developed an interactive online inventory database for warehouse stock information. The database links information from all company warehouses and offices.
- Developed company intranet to allow for communication within the warehouse and office.
- 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.
- Successfully recovered the internal network and 100 per cent of its data in less than 20 hours after a malicious network attack in 2003.

Public Speaking

FITC Toronto 2012 | Toronto, ON

[FITC.ca](#) | Speaker

- **April 23 - 25, 2012**
 - Presentation – “Hey Ellie, what are you?”
 - Full Day Workshop - The Ins and Outs of jQuery Mobile

FITC Amsterdam 2012 | Amsterdam, NL

[FITC.ca](#) | Speaker

- **February 26 - 28, 2012**
 - Presentation - Heating Homes with Distributed Computing
 - Presentation – Getting Acquainted with jQuery
 - Full Day Workshop - The Ins and Outs of jQuery Mobile

FITC Screens 2011 | Toronto, ON

[FITC.ca](#) | Speaker

- **November 13 - 15, 2011**

- Presentation - Mobile Cross Browser Sexiness with jQuery Mobile
- Full Day Workshop - The Ins and Outs of jQuery Mobile

FlashInTO | Toronto, ON

FlashInTo.com | Guest Speaker

- **February 28, 2007:** Integrating Mobile Interactivity to a Flash based Website
- **February 22, 2006:** Discussion on Intelligent & Efficient Dynamic Web Programming

Education

2004-2007

Humber College | Toronto, ON

Multimedia Design & Production Technician

- Received bursary for high-school academic performance.

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, system & electrical engineering, public speaking