

# Luke Rymarz

## Software Engineer



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4 years experience designing and implementing web and desktop applications in Flex/ActionScript/Flash. 9 years experience designing and developing applications in C and C++. Also comfortable with C#.

Deep-seated passion for video games.

Hobby Flex applications include a Facebook application for browsing friends' photos, a handy application for creating and viewing todo lists (included some PHP, HTML & SQL work), and a Dungeons and Dragons character builder.

<b>Experience</b>	<b>Software Engineer</b>	08 / 2004 – Present
	Harmonic, Inc. (previously Omneon) <a href="http://www.harmonicinc.com">www.harmonicinc.com</a>	San Jose, CA
	<ul style="list-style-type: none"><li>• Worked in a team of approximately 10 on MAS, a video asset management system. Responsibilities included<ul style="list-style-type: none"><li>▪ Design and implementation of search interface and other elements of the UI in Adobe Flex.</li><li>▪ Design and implementation of a QuickTime-based player in JavaScript and Adobe Flex (ExternalInterface).</li></ul></li><li>• Currently designing modular applications in Flash and ActionScript using the Adobe Flex Framework. Final product will be a UI for a broadcast video server with integrated graphics capabilities.</li><li>• Independently designed and developed various Omneon products in accordance with marketing and engineering requirements, including<ul style="list-style-type: none"><li>▪ ProBrowse Desktop, a PostgreSQL database driven video explorer and player written in C++ with MFC and DirectShow.</li><li>▪ EDLTool, a complimentary application to ProBrowse Desktop allowing cuts-only video editing of proxies created by the ProBrowse system. Written in C++ with MFC, Windows Forms, and DirectShow.</li><li>▪ ContentManager, a C# application which adds administrative capabilities to Omneon MediaGrid using remote procedure calls and interaction with Active Directory domain controllers.</li></ul></li><li>• Maintained and extended MediaTools, a broad array of C++/MFC applications supporting functionality of Omneon Spectrum servers.</li><li>• Prepared and presented training sessions for support and sales teams.</li><li>• Other experience includes: InstallShield, CVS, Subversion, Mercurial, FTP, HTML, CSS, Cygwin, Perl, PHP, Apache, JavaScript, QuickTime, GIMP, Adobe Photoshop, Adobe Illustrator, Flash/Flex Builder, Flash Catalyst, Flash Professional.</li></ul>	
<b>Education</b>	<b>Bachelor of Science, Computer Science</b>	08 / 2001 – 05 / 2004
	Washington State University	Pullman, WA
	<ul style="list-style-type: none"><li>• Graduated with honors, GPA 3.52.</li><li>• C programming emphasis areas include graphics, digital sound synthesis and manipulation, and operating systems.</li><li>• Implemented a multitasking Unix-based operating system in C.</li><li>• Optional courses included linear algebra, differential equations, and intermediate level Japanese language.</li></ul>	
<b>Hobbies</b>	Photography, Video Games, Rock Climbing, Dough and Sugar Related Cooking, Soap-making	