

Daniel Zwell

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OBJECTIVE	Seeking a full-time software engineering position.
PROFESSIONAL EXPERIENCE	<p>Pixar Animation Studios, Emeryville, California</p> <p><i>Software Engineering Internship</i> January 2009 - March 2009</p> <ul style="list-style-type: none">• Added features to Pixar’s next-generation proprietary animation software, in addition to fixing bugs and usability problems.• Presented new internal features to production users. <p><i>Production Engineering Internship</i> July 2008 - January 2009</p> <ul style="list-style-type: none">• Added features to production software.• Resolved bugs and usability problems in legacy software to solve production challenges.• Worked closely with QA to ensure seamless upgrades of critical software.• Improved the robustness of Pixar’s defect tracking system.• Helped upgrade animation software’s Gui framework. <p>Novamente, LLC., Washington, D.C.</p> <p><i>Software Engineering Internship</i> Summer, 2007</p> <p>Developed, implemented, and tested a navigation library to be used by virtual agents within SecondLife. The library outputted an action plan to take the agent to a goal, avoiding obstacles.</p> <p>Lawrence University, Appleton, Wisconsin</p> <p><i>Computer Science Lab Monitor</i> 2006 - 2008</p> <p>Assisted other students with C++ and Java assignments.</p> <p>Wright Institute, Chicago, Illinois</p> <p><i>Web Developer</i> Summer, 2006</p> <p>Overhauled multiple sites to share resources for a more unified interface and easier maintenance.</p>
SKILLS	<p>Languages</p> <p><i>Expert Languages:</i> C++, Python</p> <p><i>Competent Languages:</i> Perl, Ruby, Bash, Tcl, PHP, Haskell, Scheme, SQL</p> <p>Technologies</p> <p><i>Libraries / Frameworks:</i> STL, Boost, Qt</p> <p><i>Version Control:</i> Perforce, Subversion, Git</p>
OPEN SOURCE CONTRIBUTIONS	<p>Git Project: Collaborated with others in the Git community to iteratively add new features and improve usability. http://git-scm.com</p> <p>FireWatir, a QA automation “controller” for Firefox: Contributed bug fixes. http://code.google.com/p/firewatir</p>
EDUCATION	<p>Lawrence University, Appleton, Wisconsin</p> <p><i>Bachelor’s degree in Mathematics/Computer Science</i> Graduated 2008</p> <p>Dean’s List 2007 - 2008, 2003 - 2004</p> <p>Related courses:</p> <ul style="list-style-type: none">• Computer Graphics (OpenGL)• Data Structures• Advanced Data Structures / Algorithm Analysis• Essentials of Programming Languages• Operating Systems• Artificial Intelligence• Graph Theory• Various Mathematics and Physics courses
REFERENCES	<i>Available upon request.</i>