**Robert Toombs**

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**KNOWLEDGE**

**Technologies** Java, SQL/DQL, Javascript/jQuery, HTML, CSS, SOAP, XML, XSLT/XPath, AntiSamy, DeltaXML, GWT/GXT

**Tools** Eclipse, IntelliJ, Perforce, Maven, Jira, Android Studio, GIT

**EXPERIENCE**

**2013-06 - Senior Software Engineer**

**Present** OpenText (acquired from Dell EMC) / Norwood, MA

* Researched, designed, developed, and documented configuration management tools for easily exporting, importing, viewing, comparing, and merging of Documentum D2 configurations
* Leveraged DeltaXML in conjunction with XSLT, HTML, CSS, and jQuery to create a simple, intelligent, browser based configuration merge tool to greatly reduce customer software version upgrading times while minimizing upgrading errors
* Developed a clean and intuitive facted search UI for Documentum D2 advanced content search
* Performed UI framework upgrades of GWT/GXT, while fixing resulting quirks and thoroughly documenting new development processes for a seamless development team transition
* Implemented web services validation/sanitization for validating user input as well as sanitizing malicious content from incoming service requests

**2012-07 - Software Engineer**

**2013-04** The Achievement Network / Boston, MA

* Implemented bug fixes/feature updates for the MyANet web application
* Created a web app feature that allows teachers to generate student take home reports which included a parent friendly description of standards and activities for guardians and students to do together
* Created easy to use, attractive, cross-browser user interfaces with Javascript, HTML, and CSS

**2011-07 - Software Engineer**

**2011-12** Goodrich ISR Systems / Westford, MA

* Implemented bug fixes for the SYERS Ground Team Geospatial Mission Monitor (GMM)
* Developed a MS Paint-like feature for marking up imagery with coordinate based annotations
* Developed a feature to read/write shape files to overlay third-party annotations on Goodrich imagery

**2010-07 - Software Engineer**

**2010-12** Harris Corporation / Chelmsford, MA

**EDUCATION**

**2008-09 - Bachelor of Science in Computer Science**

**2013-05** Northeastern University / Boston, MA

**PROJECTS**

**Ray Tracer –** developed a ray tracing renderer in C# which implemented reflection and refraction optical effects with both global illumination and spot lighting over a variety of objects created from spheres and triangles

**Image Pattern Matcher –** developed a program, where given a set of pattern imagery and a set of source imagery, is capable of finding occurrences of the pattern images in the source imagery for JPEG, GIF, and PNG image formats

**INTERESTS**

Ping-Pong, Soccer, Kotlin, Eating baked goods