

# Craig Andrews

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- Objective** Career in Software Engineering leveraging of my strong professional and academic background in a dynamic environment offering team work and leadership opportunities.
- Professional Experience** Molecular, Watertown, MA **January 2006-present**  
**Senior Software Engineer** October 2007-present  
Software Engineer January 2007-October 2007  
Associate Software Engineer January 2006-January 2007
- Developed hybrid e-commerce and community site as the main web presence of one of the major American cellular carriers [Java, Spring, Hibernate, Velocity, Tomcat, MySQL, Red Hat Enterprise Linux, Apache, Tomcat]
  - Developer for the new OLPC community site [PHP, Smarty, MySQL]
  - Programmed user friendly web-based CMS frontend for a large multinational athletics site [ASP.NET 3.5, C#, Tridion]
  - Technical lead for re-creation of web presence of another multinational athletics gear company including: requirements gathering, design, architecture (integrating 4 backend products and 5 different companies), implementation, team coordination, testing, documentation, QA, deployment [Java, Spring, Maven, Weblogic, FreeMarker, Flash, SOAP, Tridion, Oracle]
  - Pioneered use of continuous integration and other QA practices internally [Hudson]
  - Proponent of knowledge sharing: conceived of and created external company blog and internal wiki including SSO integration [Wordpress, Mediawiki, PHP, CAS, MySQL]
  - Coded significant parts of multitier social networking site for large media company [Java, Spring, Maven, Velocity, Hibernate, EJB3, MS SQL Server]
  - Designed and implemented “groundbreaking” AJAX RIA site for healthcare provider [ASP.NET, ASP.NET Ajax, C#, MS SQL Server]
  - Implemented demonstration mobile web site [Java, WML]
  - Involved in large scale CMS deployment from content modeling and taxonomy development through implementation [WorkSite]
- Independent Contractor** **2006-present**
- Lead of team that designed and implemented My Health Link system that connects patients with their medical records and healthcare providers [Java, Maven, Spring, FreeMarker, Hibernate, MySQL, Debian Linux, Apache, Tomcat]
  - Designed and implemented coupon redemption site for a large media company [Java, Maven, Spring, FreeMarker, Hibernate, MySQL, Debian Linux, Apache, Tomcat]
- Lead Developer** **Summers 2003-2005**  
Lighthouse Computer Systems, Weymouth, MA
- Led a team of two to four individuals
  - Interacted with customers to design and support custom software and web solutions [Perl]
- Education** **Bachelor of Science, Computer Science** **Minor: Computer Engineering**  
**Worcester Polytechnic Institute, Worcester, MA** **December 2005**
- 3.8 GPA, High Distinction, Dean’s List 2002-2006
  - Relevant Courses: Software Engineering, Object Oriented Design and Analysis, Database Systems, Webware, Networks, Human Computer Interaction, Artificial Intelligence, Architecture, Microprocessor Systems Design

**Academic  
Projects**

**“Natural Language Interface Using First Order Logic” August - December 2005**

- Provided a human language interface to a theorem prover
- Allows people to directly interact with computers in a spoken language, asking questions and receiving useful answers in both written and spoken form

**“Analysis of the Procurement Process” October - December 2004**

**Montgomery County Office of Procurement, Rockville, MD**

- Designed a new XML based document management system
- Produced comprehensive documentation of the procurement process and the newly created XML based system
- Collaborated with county employees and officials on system redesign
- Run my own IPv6 connected web and email server on Gentoo Linux
- Participate in the Gentoo, Ubuntu, and Debian projects by reporting bugs, providing patches, and contributing packages
- Contribute to any Free or open source projects involved in my professional work at the time (such as EhCache, Dozer, Spring, etc)
- Active in the Free Software Foundation (FSF) and the Electronic Frontier Foundation (EFF)

**Relevant  
Interests**

**Technical  
Skills**

**Technologies:** Java (through 6), Spring, C# (through 3.5), Hibernate, EJB3, SQL, Perl, Javascript (AJAX), ASP, ASP.NET, PHP, C++, VB, JSP, LaTeX, Freemarker, Velocity  
**Operating Systems:** Ubuntu, Debian, Gentoo, Red Hat, Fedora, Windows 2000, XP, 2003  
**Applications:** Eclipse, Visual Studio, MySQL, Apache, Tomcat, JBoss, Mediawiki, Wordpress, Weblogic, Trac, Interwoven Worksite, Adobe Flex 2.0, Endeca ProFind, MS SQL, Sourceforge, Visual Paradigms, OpenCMS, Tridion, CAS (Central Authentication Service), Hudson

**Honors**

Representative to Undergraduate Council for two years  
Upsilon Pi Epsilon member (national Computer Science honor society)  
Two term Vice President of local ACM chapter