

Martin Francis Piecyk

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- Education Drexel University, Philadelphia, Pennsylvania
Bachelor of Science in Software Engineering, Anticipated Graduation: June 2010
Cumulative GPA: 3.73
- Highlighted Coursework **Software Architecture I, II**
- Collaborated with a team to create a presidential election web application that allows users to register, vote, view voting results, and perform administrative tasks, using Java Servlets, XHTML, CSS, PostgreSQL, and UML
 - Implemented a food ordering web application with a team that processes customer orders and facilitates the delivery of food to customers using ASP.NET, XHTML, CSS, AJAX, SQL Server, and UML
- Experience **Geometric and Intelligent Computing Laboratory**, Philadelphia, Pennsylvania
Research Assistant (Part-time employment), September 2008 to present
- Created a format registry for engineering formats with a team using Semantic MediaWiki to semantically annotate the formats and export OWL markup
- Amazon.com, Inc.**, Seattle, Washington
Software Development Engineer (Full-time internship), March 2008 to September 2008
- Designed and implemented a scalable, automated abuse reporting system using Java, XHTML, CSS, JavaScript, Amazon SimpleDB, and the Simple Storage Service (S3) for the Amazon Elastic Compute Cloud (EC2) which allows abuse reporters to anonymously submit abuse reports against customers of EC2 and communicate with the customers and members of the EC2 abuse team until the case is resolved
 - Created a Ruby script which validates the firewall rules of EC2 instances by verifying that the rules match the CIDR block and group rules specified by the EC2 customers
- Geometric and Intelligent Computing Laboratory**, Philadelphia, Pennsylvania
Software Engineer (Part-time employment and full-time internship), January 2006 to March 2008
- Collaborated with a team to implement and deploy the Digital Archiving and Retrieval Tool (DART), an open-source project management and version control system, using C++, C#, Java, XHTML, CSS, JavaScript, AJAX, SOAP messages, the Windows API, Pro/TOOLKIT, and S3
 - Authored unit tests in C# that check the clients and server of DART for bugs and security vulnerabilities
 - Created a Windows installer for the client side of DART using NSIS and a cross-platform installer for the server side using Python and WAR files
- Drexel University's College of Arts and Sciences**, Philadelphia, Pennsylvania
Web Developer (Part-time employment), November 2005 to May 2006
- Created a web application which provides a calendar and RSVP system for the events of the CoAS using ASP and ODBC while simultaneously adding articles and maintaining more than 10,000 files of the website by using Dreamweaver to check for broken links
 - Designed a new website template for the CoAS with Adobe Photoshop and Dreamweaver to improve the aesthetics of the site
 - Used W3C validation software to ensure that the website's XHTML and CSS code was correct and verified that the web pages worked correctly in all of the major web browsers
- Computer Skills **Languages:** C, C++, C#, Java, VB.NET, ASP.NET, ASP, PHP, JSP, Python, Ruby, Perl, ColdFusion, HTML, XHTML, CSS, JavaScript
- Databases:** Microsoft SQL Server, Access, Oracle, MySQL, PostgreSQL, Amazon SimpleDB, SQLite
- Applications:** Microsoft Visual Studio, Eclipse, NetBeans, Adobe Photoshop, Illustrator, Dreamweaver, Flash, Subversion, Concurrent Versions System, Apache HTTP Server, Tomcat, GlassFish, Ant, Cygwin, GNU Compiler Collection
- Technologies:** Microsoft .NET Framework, MFC, Windows API, ASP.NET AJAX, ASP.NET AJAX Control Toolkit, JDK, Java EE, JUnit, Ruby on Rails, C Standard Library, Standard Template Library, POSIX APIs, Boost C++ Libraries, Mono
- Operating Systems:** Microsoft Windows 2000/XP/2003/Vista, Ubuntu/Fedora Core/Gentoo/Red Hat Enterprise Linux, Solaris
- Honors and Awards A. J. Drexel Academic Scholarship, September 2005 to present
Pennoni Honors College at Drexel University, September 2005 to present
WPVI Channel 6 Best of the Class, June 2005