

# Charles E. Meyer

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## **Professional Summary:**

High energy, creative and focused individual with excellent track record working in matrixed and dispersed team environments, recognized for leadership and team building skills, adept in oral and written communications

## **Objective:**

To obtain a full time position in the software engineering field at a dynamic high tech company.

## **Education:**

### **University of Illinois – Urbana Champaign**

College of Engineering  
Pursuing a Masters of Science in Computer Science  
Expected Graduation Date: December 2012

### **University of Illinois – Urbana Champaign**

College of Engineering  
Bachelor of Science in Computer Science, Minor in Spanish, May 2010

## **Research Experience:**

### **University of Illinois:** CoMoTo Project Leader January 2007 to current

Designed and built a system for detecting and visualizing instances of collaboration and plagiarism in student code submissions for programming assignments. Worked with professors of courses to determine system requirements and built the system into a hosted service for the Department of Computer Science. Worked with course staff to apply the system to analyze current code submissions. Work available at <http://comoto.cs.illinois.edu>

### **University of Illinois:** Undergraduate Research Assistant May 2009 to May 2010

Undergraduate research assistant on the Medical Device Plug and Play (MDPnP) project. Our group's goal was to design a flexible software architecture for complex systems of networked medical devices in a clinical setting. We initially mocked a system using the JavaScript programming language and reworked the architecture using a variety of technologies, including Java, JSON, and CouchDB. Work available at <https://agora.cs.illinois.edu/display/mdpnp/Home>.

## **Pending Publications:**

CoMoTo: The Collaboration Modeling Toolkit  
C. Meyer, C. Heeren, and E. Shaffer  
*ITICSE 2011, Darmstadt, Germany*

## **Teaching Experience:**

### **University of Illinois:** Graduate Teaching Assistant August 2010 to current

Teaching assistant for programming studio course. Led weekly discussion sections and graded weekly programming assignments. Developed lecture content and programming assignments for the course. Gave lectures to students when Professor was away. Course objectives focused on writing clean, modular, and maintainable code in a variety of languages including C, C++, C#, Java, Python, and Ruby.

### **University of Illinois:** Undergraduate Teaching Assistant January 2007 to May 2010

Teaching assistant for programming studio course mentioned above.

## **Industry Experience:**

### **IBM:** POWER Systems Test Engineer Co-op May 2010 to August 2010

Developed an automated functional test suite composed of approximately 90 test cases for IBM POWER Systems firmware using Rational tools, including Rational Functional Tester, Rational Quality Manager, and Rational ClearQuest.

### **IBM:** POWER Systems Performance Co-op June 2008 to December 2008

Worked as a member of a team to benchmark systems, analyze performance data, develop workloads, perform maintenance on IBM power systems, and develop tools to aid in performance analysis. Worked with a variety of teams to turn technical challenges into useful tools to expedite performance work. Key skills include IBM i5/OS, Java, JDBC, IBM DB2, SQL, stored procedures, AS400 control language, IBM Hardware Management Consoles, and IBM POWER systems. Projects included creating a CL/C++ harness for a new workload, creating an API to access collection services, PEX, JobWatcher, and DiskWatcher data from Java, developing software to generate reports summarizing system performance, and creating automation tools for an existing workload.

**Solidware Technologies:** Software Engineering Intern July 2007 to May 2008

Worked as a member of a team developing a web based application software product using the Scrum agile software development methodology. Key responsibilities included: developing new application functionality, stress testing new modules, writing documentation, participating in product launch strategy and translating business needs into technical requirements

**Phi Kappa Psi Fraternity:** Property Manager January 2006 to December 2009

Managed 20,000 sq ft property in Champaign, IL. Network administrator for 75 user network, web master for <http://www.phipsiuuc.com>, managed budget of \$25,000 each semester

**Technical Skills:**

**Languages:** Java, JavaScript, C, C++, C#, Ruby, Python, Bash scripting, HTML, CSS, XML, Docbook, XSLT, UML, AS400 CL, REXX, Matlab, Smalltalk (Pharo)

**Frameworks/Libraries:** Spring, Hibernate, Ant, Ruby on Rails, JUnit, log4j, YUI, Prototype, Scriptaculous, jQuery, Jasmine, Swing, SWT, GWT, Pylons, SQLAlchemy, Elixir, Pyramid

**IDE:** Eclipse, Netbeans, IntelliJ Idea, Visual Studio, Aptana Studio, JetBrains PyCharm

**Operating Systems:** Linux, Windows, Mac OS X, IBM AIX, IBM i5/OS

**Databases:** MySQL, Oracle, DB2, Postgres, SQLite, H2, Derby, CouchDB

**Other:** Rational tools including Rational Functional Tester, Rational Performance Tester, Rational Quality Manager and Rational ClearQuest

**Leadership:**

Boy Scouts of America

Eagle Scout Award Recipient – Given to less than 1% of all scouts

Boy Scouts of America, Order of the Arrow Honor Society

Vigil Honor Award Recipient – Given to less than .1% of all scouts

Extensive travel experience including Mexico, Spain, Germany, Switzerland, France, and Italy; Fluent in the Spanish language.