

Martin Davidsson

Objective

Seeking a team-oriented programming position to solve challenging problems and learn emerging technologies.

Personal Details

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Industry Experience

PowerReviews Lead Software Engineer 2006 - 2010
Designed and implemented web applications for the powerreviews.com and buzzillions.com websites. Migrated build system from ant to maven. Migrated source configuration management from subversion to git. Introduced continuous integration to the build environment. Deployed a Hadoop cluster and wrote map-reduce jobs to calculate "Buzz Rank." Developed a database-driven i18n solution to allow clients to customize their display across languages. General stack included PostgreSQL, Red Hat Enterprise Linux, Apache Tomcat, and JSP.

IBM Technical Intern Spring 2005
Developed, and tested a solution for enabling small customers to develop and deploy basic data access applications with easy-to-use tools. Developed in Java, leveraging open source frameworks. Tools included the Eclipse IDE, Derby database, and JavaServer Faces templating. Also produced documentation, demonstrations, and presentations to executives. Was one of four team members that included a business specialist.

NCSU Computer Science Department Developer 2004
Programmed an Eclipse plug-in using Java to collect software metrics and estimate a project's reliability. Employed the Java Development Tooling framework to collect most metrics and open source projects to calculate code coverage based on JUnit test cases. Presented results to the user in Standard Widget Toolkit views.

NCSU Open Courseware Laboratory Research Assistant 2002 - 2005
Created a web interface in Perl for modifying the laboratory's LDAP server. Contributed to the development of an open courseware platform written in Java. Created the user interface using the eXtensible Stylesheet Language (XSL), XHTML, Cascading Style Sheets (CSS), and JavaScript.

Education

Stanford University 2005 - 2006, 2007 - 2008
Masters of Science in Computer Science, specialization in Human-Computer Interaction
GPA: 3.85

North Carolina State University 2001 - 2004
Bachelor of Science in Computer Science
GPA: 4.0

Publication

M. Davidsson, J. Zheng, N. Nagappan, L. Williams, M. Vouk, "GERT: An Empirical Reliability Estimation and Testing Feedback Tool," Accepted to the IEEE International Symposium on Software Reliability Engineering (ISSRE 2004), St. Malo, France. November 2004.

Computer Skills

Languages: Scala, Ruby, Java, SQL, XSL
Tools: vi, git, svn, mvn, Hadoop, Adobe Photoshop, Spring, JUnit, Ruby on Rails

Awards & Activities

Student Team Winner of the International Challenge for Eclipse contest
Computer Science Honors Program at NCSU
Upsilon Pi Epsilon Computer Science Honor Society
Accelerated Undergraduate Research in Computer Science
Graduated summa cum laude from NCSU

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Interests

Floorball, road biking, golf, video games, graphic design, and learning German.