

Sandro Fouché

CONTACT INFORMATION	sandro@cs.umd.edu http://www.cs.umd.edu/~sandro (301) 221-7391	6601 Wells Parkway University Park, MD 20782
RESEARCH INTERESTS	Empirical methods and development of tools to support development of large-scale, high-performance, distributed systems, and experimental evaluation of fundamental software engineering hypotheses.	
EDUCATION	University of Maryland , College Park, Maryland Ph.D in Computer Science, December 2010 Dissertation Title: Large Scale Distributed Testing for Fault Classification and Isolation B.S. in Computer Science, May 1998	
CURRENT POSITIONS AND APPOINTMENTS	University of Maryland , College Park, Maryland <i>Instructor</i> , Computer Science Department	2010 - present
PAST APPOINTMENTS	Georgetown University , Washington, District of Columbia <i>Adjunct Professor</i> , Computer Science Department	2002 - 2008
	University of Maryland , College Park, Maryland <i>Graduate Research Assistant</i> , Computer Science Department <i>Graduate Teaching Assistant</i> , Computer Science Department <i>Instructor</i> , Computer Science Department <i>Graduate Coordinator</i> , Software Engineering @ Maryland (SEAM) <i>Graduate Teaching Assistant</i> , Computer Science Department <i>Undergraduate Research Assistant</i> , Computer Science Department	2004 - 2010 Fall 2009 Summer 2008 2003 - 2004 2001 - 2003 1992 - 1995
JOURNAL ARTICLES	Fouché, Cohen, Porter. 2010. <i>Incremental Covering Array Failure Classification: a detailed case study</i> . ACM Transactions on Software Engineering and Methodology. TOSEM-2010-0109, in review. Haran, Karr, Last, Orso, Porter, Sanil, Fouché. 2007. <i>Techniques for Classifying Executions of Deployed Software to Support Software Engineering Tasks</i> . IEEE Transactions on Software Engineering 22(5).	
PAPERS IN REFEREED CONFERENCE PROCEEDINGS	Fouché, Cohen, Porter. 2009. <i>Incremental Covering Array Failure Characterization in Large Configuration Spaces</i> . Proceedings of the 2009 International Symposium on Software Testing and Analysis (ISSTA). Chicago, Illinois; July, 2009. Fouché, Cohen, Porter. 2007. <i>Towards Incremental Adaptive Covering Arrays</i> . Proceedings of the 6th joint meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE). Dubrovnik, Croatia; September, 2007.	
PRESENTATIONS, TALKS, TECHNICAL REPORTS	Sandro Fouché. 2007. <i>MySQL-Skoll: Distributed Quality Assurance for MySQL 5.1</i> . MySQL Camp, Polytechnic University, Brooklyn, New York; August 23, 2007.	

Sandro Fouché. 2006. *Skoll: Distributed Continuous Quality Assurance*. UMCP Software Day; November 3, 2006.

Last, Fouché, Karr, Orso, Porter, Young. 2006. *Classification of Partially Observed Data with Association Trees*. NISS Technical Report #164

Sandro Fouché. 2006. *Large Scale Web Deployment*. University of Maryland, College Park; May 4, 2006.

Roberts, Fouché, Purtilo. 2002. *A Tool for Statistical Detection of Faults in Internet Protocol Networks*. UMCP Computer Science Department; CS-TR-4393, UMIACS-TR-2002-74.

ACADEMIC
EXPERIENCE

University of Maryland, College Park, College Park, Maryland
CMSC 412 Operating Systems **fall 2010**

University of Maryland, College Park, College Park, Maryland
CMSC 212 Introduction to Low-Level Programming Concepts **summer 2008**

Georgetown University, Washington, District of Columbia
COSC 351 Computer Systems Fundamentals **spring 2008**
COSC 374 Operating Systems **spring 2004**
COSC 345 Software Engineering I **fall 2003**
COSC 251 Computer Systems Fundamentals **spring 2002**

PROFESSIONAL
EXPERIENCE

Expert Witness **2004-2006**
Wiley, Rein, and Fielding, Washington, DC

Senior System Administrator **1998-2001**
America Online, Inc., Dulles, VA

Senior System Administrator **1996-1998**
Washington Post Co., Arlington, VA

System Architect **1996**
Erol's Internet Services, Springfield, VA

Software Design Engineer **1995**
Personal Library Software, Gaithersburg, MD

Software Design Engineer **summer 1992**
Microsoft Corporation, Redmond, WA

System Administrator **1991-1992**
University of Maryland, College Park, Maryland

PROFESSIONAL
AND ACADEMIC
SERVICE

Graduate Advisor, UMCP ACM Student Chapter **2002-2007**

Diversity Committee, UMCP Computer Science Department **2003-2005**

Education Committee, UMCP Computer Science Department **2003-2004**

Coach, UMCP Programming Team **2002-2004**

Executive Committee, UMCP Computer Science Department **2002-2003**

Graduate Executive Committee, UMCP Computer Science Department **2001-2003**

Chair, UMCP ACM Student Chapter **1991-1993**

President, UMCP Minority Computer Science Society

1990-1993

AFFILIATIONS AND ORGANIZATIONS Association for Computing Machinery (ACM)
Electrical and Electronic Engineers (IEEE)

AWARDS AND HONORS Verizon Graduate Fellowship

2001