
Daniel E. Krutz

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134 Lomb Memorial Drive | GOL-1547 | Rochester, NY, USA 14623-5608

RESEARCH INTERESTS

Software Engineering Education, Clone detection, Crash Analysis, Software Testing, Software Security.

EDUCATION

Ph.D. in Computer Science

9/2007 – 2/2013

Nova Southeastern University | Ft. Lauderdale, FL
Dissertation: Code Clone Discovery Based on Concolic Analysis.
Advisor: Frank Mitropoulos

M.S. in Software Design and Management

8/2005-8/2007

Rochester Institute of Technology | Rochester, NY

B.S. in Computer Science, B.S. in History

9/2000-5/2004

St John Fisher College | Rochester, NY

ABBREVIATED PUBLICATION LIST

Journal & Conference Papers

[1] Daniel Krutz & Emad Shihab

“CCCD: Concolic Code Clone Detection”, Working Conference on Reverse Engineering (WCRE), Fall 2013

[2] Daniel Krutz & Mike Lutz

“Bug of the Day: Reinforcing the Importance of Software Testing”, Frontiers in Education Conference (FIE), Fall 2013

[3] Daniel Krutz & Jim Vallino

“Moles in Freshman Seminar Team Building”, Frontiers in Education Conference (FIE), Fall 2013

[4] Daniel Krutz & Andrew Meneely

“WIP: Teaching Web Engineering using a project component: A case study”, Frontiers in Education Conference (FIE), Fall 2013

[5] **Daniel Krutz**

“Code Clone Discovery Based on Concolic Analysis.” Dissertation completed 2/2013.

Professional Activities

Journal/Conference Reviewer

(ASEE) American Society for Engineering Education. 2011-2013

(FIE) Frontiers in Education. 2013

Workshops Attended & Conference Service

Teaching with Software Life-Cycle Case Study, Embry-Riddle University 6/2011

Coco Camp Pro 2012, Cupertino California.

DevCon, Kansas City, Missouri. June 2013

Session Chair 2013 - Frontiers in Education (FIE)

University Service

Coordinator for numerous concurrent sections of Introduction to Software Course (2010-present)

Undergraduate curriculum committee, 2012-Present

Semester Conversion committee (2012 - 2013).

INDUSTRY EXPERIENCE

Technology Consultant

8/2009 - 8/2010

Mindex Technologies | Rochester, NY. Provided technology support to Xerox on various marketing projects. Led small teams and worked directly with internal and external customers to formulate project solutions.

Sr. Software Engineer

2/2009-8/2009

5Linx Enterprises | Rochester, NY. Developed web-based solutions for internal and external projects. Primarily worked on upgrading web application for the order process.

R&D Software Developer

5/2004-1/2009

Xerox Corporation | Webster, NY. Interacted with internal customers to formulate solutions on a wide range of problems. This included manufacturing processes, enhancing data storage and collection processes.

CERTIFICATIONS

Design for Lean Six Sigma (DfLSS) Green Belt

Scrum Master for Agile Software Development