

Pingyu ZHANG

Dept. Computer Science and Engineering
256 Avery Hall
University of Nebraska-Lincoln
Lincoln, NE 68588-0115

Phone: 402-805-7363
Email: pzhang@cse.unl.edu
<http://cse.unl.edu/~pzhang>

RESEARCH INTEREST In general software testing and analysis, and more specifically

- 1) Software Test Generation & Transformation Techniques
- 2) Static Program Analysis
- 3) Constraint Solver Techniques

EDUCATION

PhD in Computer Science
University of Nebraska-Lincoln

September 2007 – May 2013 (expected)
Lincoln, Nebraska, U.S.A

B.S. in Computer Science (**GPA: 90/100, Rank: 10/340**)
School of Computer Science & Technology, Shandong University

June, 2006
Shandong, China

PUBLICATION

Pingyu Zhang, Sebastian Elbaum, “Amplifying Tests to Validate Exception Handling Code”. In the *Proceedings of the International Conference on Software Engineering (ICSE)*, Zurich, Switzerland, June 2-9, 2012 (to appear)

Pingyu Zhang, Sebastian Elbaum and Matthew Dwyer “Automatic Generation of Load Tests”. In the *Proceedings of the International Conference on Automated Software Engineering (ASE)*, Lawrence, Kansas, USA, November 6-12, 2011

SUBMISSION

Pingyu Zhang, Sebastian Elbaum and Matthew Dwyer “Compositional Load Test Generation”. Submitted to the *International Symposium on Software Testing and Analysis (ISSTA)*, 2012

PROFESSIONAL SERVICE

Program Committee of the Poster Session of *ICST 12'*

External conference reviewer for: *ICSE 11'*, *ISSTA 11'*, *FSE 10'*, *ASE 10'*

External journal reviewer for: *Software: Practice and Experience (SPE)*, *IEEE Transactions on Software Engineering (TSE)*

EXPERIENCE

Interned at Fujitsu Laboratories of America
Sunnyvale, California, U.S.A.

Summer 2010

Developed lost test suite generation toolset and deployed it as a Java PathFinder extension project on NASA Ames server.

Graduate Research Assistant 05/2008-present
University of Nebraska-Lincoln, Lincoln, Nebraska

Graduate Teaching Assistant 09/2007-04/2008
University of Nebraska-Lincoln, Lincoln, Nebraska

Interned at Chinese Academy of Sciences 02/2006-07/2007
Beijing, China

Participated in a Verifying Compiler project at the Advanced Compiler Technology Lab at the Institute for Computing Technology, Chinese Academy of Sciences. My job was to design and implement a specification language based on set and logic theory to support the research of applying compiler technology to formally verify the correctness of software programs.

AWARDS AND HONORS

- *ACM SIGSOFT CAPS Travel Grant* 2011
- *Chancellor's Fellowship* University of Nebraska-Lincoln, 2007 to 2009
- *Excellent Undergraduate Thesis Award (TOP 0.6%)* Shandong University, 2006
- *First Class Scholarship for Excellent Students* Shandong University, 2004-2005
- *Second Class Scholarship for Excellent Students* Shandong University, 2003
- *Third Class Award in the 9th Challenge Cup Collegiate Student Contest* 06/2005
- *First Class Award in the 3rd NEC Cup Java Software Design Contest* 04/2005