

Yun Lin

In pursuit of truth in this world

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Summary

I am a researcher in the field of software engineering. I now work as a Research Fellow in National University of Singapore. My research interest includes code recommendation, auto-debugging, and refactoring. Based on my research work, I devoted myself to developing some software tools to relieve the burden of software developers in practice. I am now mainly focus on building new debugger based on program analysis and machine learning technique.

Education

Ph.D. of Computer Science, Computer Software and Theory

Fudan University
2010.9 – 2015.6

Bachelor of Engineering (B.A.), Software Engineering

East China Normal University
2007.9 – 2010.6

Publications

Yun Lin, Jun Sun, Yinxing Xue, Yang Liu, and Jinsong Dong. Feedback-based Debugging. The 39th ACM SIGSOFT International Conference on Software Engineering (ICSE 2017), Accepted.

Yun Lin, Xin Peng, Yuanfang Cai, Danny Dig, Diwen Zheng, and Wenyun Zhao. Interactive and Guided Architectural Refactoring with Search-Based Recommendation. The 24th ACM SIGSOFT International Symposium on the Foundations of Software Engineering (FSE 2016), pp.535-546.

Yun Lin, Xin Peng, Zhenchang Xing, Diwen Zheng, and Wenyun Zhao. Clone-Based and Interactive Recommendation for Modifying Pasted Code. The 10th Joint Meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE 2015), pp. 520-531.

Yun Lin, Zhenchang Xing, Yinxing Xue, Yang Liu, Xin Peng, Jun Sun, and Wenyun Zhao. Detecting Differences across Multiple Instances of Code Clones. The 36th International Conference on Software Engineering (ICSE 2014), pp. 164-174.

Yun Lin, Zhenchang Xing, Xin Peng, Yang Liu, Jun Sun, Wenyun Zhao, and Jinsong Dong. Clonepedia: Summarizing Code Clones by Common Syntactic Context for Software Maintenance. The 30th International Conference on Software Maintenance and Evolution (ICSME 2014), pp. 341-350.

On-going Work

Yun Lin, Jun Sun, Yinxing Xue, Yang Liu, and Jinsong Dong. A Search-based Approach to Detecting Missing Assignment Bug.

Yun Lin, Zhengchang Xing, Xin Peng, Jun Sun, Yang Liu, Wenyun Zhao, and Jinsong Dong. Mining Implicit Code Templates for Design-Level Reuse.

Work History

School of Computing, National University of Singapore
2016.5 -- Now

Research Fellow

School of Computer Engineering, Nanyang Technology University
2015.10 – 2016.5

Research Fellow

Temasek Laboratory, National University of Singapore
2013.3 – 2013.11

Associate Scientist

Skills

Proficiency with Latex, Java programming language, Eclipse plugin development, and Python (machine learning techniques).

Awards

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| The National Scholarship in China | Fudan University 2014.10 |
| The Outstanding Doctoral Entrance Scholarship | Fudan University 2012.10 |
| The Second Scholarship in Software School | Fudan University 2011.10 |
| The Second Scholarship in Software School | Fudan University 2010.10 |
| The Second Scholarship in Software Engineering Institute | East China Normal University 2009.10 |
| The Second Scholarship in Software Engineering Institute | East China Normal University 2008.10 |

Service (publication review)

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|--|-------------|
| Software Quality Journal [J] International Conference on Software Evolution and Maintenance [C] (tool demonstration) International Conference on Program Comprehension [C] | 2017 |
| IEEE Transaction on Software Engineering [J] Automated Software Engineering [J] Journal of Computer Science [J] Asia-Pacific Software Engineering Conference [C] International Workshop on Refactoring [C] | 2016 |
| Journal of Computer Science [J] International Conference on Software Analysis, Evolution, and Reengineering [C] Asia-Pacific Software Engineering Conference [C] International Conference on Software Engineering & Knowledge Engineering [C] | 2015 |
