POOYAN BEHNAMGHADER

Department of Computer Science, University of Southern California 941 Bloom Walk (SAL 339), USC, LA, CA 90089-0781, USA

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RESEARCH INTERESTS

- Software Architecture Recovery, Software Repository Mining
- Distributed Systems, Cloud Computing

EDUCATION

PhD Student, Computer Science

Fall 2013 - Present

- University of Southern California, Los Angeles, CA, U.S.A.
 - Advisor: Professor Nenad Medvidović

Bachelor of Science, Computer Engineering

Fall 2008 - Spring 2013

- ◆ University of Tehran, Tehran, Iran
 - GPA: 18.42 (of 20) Ranked 1st

Diploma, Mathematics and Physics

Fall 2004 - Spring 2008

- ◆ Allameh-Helli, Tehran, Iran
- GPA: 19.53 (of 20)

RESEARCH EXPERIENCES

Department of Computer Science, University of Southern California, USA

* Research Assistant of Prof. N. Medvidović

Fall 2013 - Present

- Extending and improving ARCADE, a software workbench that employs a suite of architecturerecovery techniques and metrics for different aspects of architectural change
- Developing a toolset to use cloud computing in order to semi-automatically run large-scale software architecture recovery analyses on the history of systems in software repositories
- Improving Mahjong, a distributed software system that uses idle cycles on remote but networked computers to solve NP-complete problems

School of Computer and Communication Science, EPFL, Switzerland

• Research Assistant of Prof. C. Petitpierre

Summer 2012

- Developing a DSL using Xtext framework for generating Android Interfaces
- Developing a compiler using Xtext for compiling Xtend templates
- Developing a parser using JavaCC parser generator for parsing Xtext files

School of Electrical and Computer Engineering, University of Tehran, Iran

◆ Research Assistant of Dr. F. Ghassemi

Fall 2012 - Summer 2013

 Providing a state space generator for process terms of Restricted Broadcast Process Theory (RBPT) extended with abstract data types, a formal framework for specification and verification of Mobile Ad-hoc Networks, by translating the specifications to ML

School of Mechanical Engineering, University of Tehran, Iran

• Research Assistant of Prof. M. Raisee

Summer 2011 - Fall 2012

• Developing numerical solvers using OpenFoam CFD software package for the problem of "Fluid Dynamics Modeling of Advanced Oxidation Process in UV-H₂O₂ Photoreactors"

NOTABLE HONORS AND AWARDS

•	 Provost's PhD Fellowship for four years from the University of Southern California Also offered fellowships and/or research assistantships from UT Austin, U Illinois, Georgia Te UC San Diego, U Toronto, and EPFL 	2013 ech,
•	Winner of the Faculty of Engineering (FOE) from the University of Tehran	2012
•	Accepted into the EPFL competitive internship program granted with full scholarship	2012
•	 Ranked 3rd in the 16th Iran National University Students' Olympiad in Computer Eng. Member of Iran's National Elites Foundation and received multiple grants Qualified to pursue graduate studies in any Iranian university with full scholarship 	2011
•	11 th Place in the 12 th Regional Contest of ACM ICPC in Asia region, Tehran site	2010
•	Top 0.1% of the nationwide entrance exam of Iranian universities	2008

PUBLICATIONS

♦ Sonal Mahajan, Bailan Li, **Pooyan Behnamghader**, William G. J. Halfond. "Using Visual Symptoms for Debugging Presentation Failures in Web Applications." In Proceedings of the 9th IEEE International Conference on Software Testing, Verification and Validation (ICST 2016), Chicago, USA, April 2016.

Received a Faculty of Engineering Scholarship as an exceptional student

 Duc Le*, Pooyan Behnamghader* (co-first author), Joshua Garcia, Daniel Link, Arman Shahbazian and Nenad Medvidovic. "An Empirical Study of Architectural Change in Open-Source Software Systems." In Proceedings of the 12th Working Conference on Mining Software Repositories (MSR 2015), Florence, Italy, May 2015.

TEACHING EXPERIENCES

School of Electrical and Computer Engineering, University of Tehran, Iran

• Teaching Assistant in the following courses:

System Analysis and Design
 Software Engineering
 Programming Languages
 Design and Analysis of Algorithms
 Advance Programming
 Fall 2012
 Fall 2012
 Fall 2012
 Fall 2019

ACTIVITIES

Department of Computer Science, University of Southern California, USA

◆ Board Member (President): PhD Student Committee
 ◆ Board Member (Officer): PhD Student Committee
 Fall 2015 – Present
 Spring 2014 – Spring 2015

Thornton School of Music, University of Southern California, USA

◆ Singer: Apollo Men's Chorus Fall 2014 – Spring 2015

School of Electrical and Computer Engineering, University of Tehran, Iran

◆ Board Member (Secretary): ACM Student Chapter
 ◆ Board Member (Secretary): Representatives Community
 Fall 2010 – Spring 2011
 Spring 2009 – Spring 2010