
VAHID ETEMADI

<http://vahidetemadi.github.io>

Shiraz University of Technology, Shiraz, Iran

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RESEARCH INTERESTS

Software engineering, Software modeling, Socio-technical analysis, Mining software repositories, Software testing, Human-computer interaction, Software health

EDUCATION

Shiraz University of Technology, Shiraz, Iran

Aug 2014 - present

Ph.D. in Information Technology, Distributed Systems Lab, Department of Computer Science and IT.

Thesis: Software Change Management as A Service: A Self-Adaptive Approach

K. N. Toosi University of Technology (KNTU), Tehran, Iran

Aug 2012 - Aug 2014

M.Sc. in Management Information Systems, Data Mining Group, Department of Industrial Engineering.

Thesis: Improving Recommendation Systems in Social Networks Using Profile Mining

Shiraz University of Technology, Shiraz, Iran

Aug 2008 - Aug 2012

B.Sc. in Information Technology Engineering, Department of Computer Engineering and IT.

Thesis: Content and Service Distribution over Cloud Computing Environments

PROFESSIONAL EXPERIENCE

Graduate Researcher at Distributed Systems Lab, Shiraz University of Technology Shiraz, Iran

2014 - Present

Making software maintenance more automated through focusing on bug locating and task assignment. Providing a scheduling-driven approach with the objective of *Time* and *Cost* reduction in task assignment of software projects.

Defining *Knowledge Diffusion* as the objective during a search-based task assignment for making development team more robust to developer churn.

Internship in Open Source Software Engineering at Pajouhan Matin, Shiraz Technological Park, Shiraz, Iran

Aug 2019 - December 2019

Contributing to open source software such as mxgraph to make it a fit for BPMN system.

Requirement modeling in UML notation using Visual Paradigm tools.

Applying software design pattern on machine learning application.

Visiting Researcher at Universidad Rey Juan Carlos, Madrid, Spain

Apr 2018 - Dec 2018

Visiting LibreSoft lab at the Department of Telecommunication Engineering under the supervision of Dr. Gregorio Robles.

Software Engineer at AsreTelecom, Shiraz Branch, Shiraz, Iran

2014 - 2018

Developing and Maintaining SQL Server Database, Implement the Main Process Behind an Internet Service Provider Company, Design and Implement Reporting Dashboards.

Graduate Researcher at IE-Data Mining Group K. N. Toosi University of Technology, Tehran, Iran

Sep 2012 - Feb 2014

Working on a sample network retrieved from *Facebook.com* to propose a hybrid friend recommendation system.

PUBLICATIONS

- [C1] **V. Etemadi**, O. Bushehrian and R. Akbari: “*Association rule mining for finding usability problem patterns: A case study on StackOverflow*”, In 2017 International Symposium on Computer Science and Software Engineering Conference (CSSE), pp. 24-29. IEEE, 2017
- [C2] M. Emami, **V. Etemadi**, O. Bushehrian “*A component-based content distribution network architecture in cloud environments.*” In 2015 2nd International Conference on Knowledge-Based Engineering and Innovation (KBEI), pp. 330-335. IEEE, 2015.

REVIEWER

ISTE: Iranian Journal of Science and Technology, Transactions of Electrical Engineering 2019

TEACHING

Instructor, Faculty of Electronic Learning, Shiraz University, Shiraz, Iran 2019
Course: Advanced Programming in JAVA

Teaching Assistant, Shiraz University of Technology, Shiraz, Iran 2019
Course: Computer Architecture

Instructor, Shiraz University of Technology, Shiraz, Iran 2016-2017
Course: Database Systems Lab

Instructor, Faculty of Electronic Learning, Shiraz University, Shiraz, Iran 2016-2017
Course: Multimedia Systems

Teaching Assistant, Shiraz University of Technology, Shiraz, Iran 2015-2016
Course: Software Engineering

AWARDS AND HONORS

Graduate Research Assistant, Shiraz University of Technology Fall 2014 - present

Won the travel grant for visiting LibreSoft research group in the Department of Telecommunication Engineering at URJC, Madrid, Spain (2018)

Student volunteer at International Conference on Software Maintenance (ICSME), Madrid, Spain 2018

Travel Grant from Bitergia to attend 11th Seminar on Advanced Techniques & Tools for Software Evolution (SATToSE) 2018

Full tuition waiver scholarships for full time master of science students, K. N. Toosi University of Technology. 2012-2014

Full tuition waiver scholarships for full time undergraduate students, Shiraz University of Technology. 2008-2012

Ranked top 2% nationwide university entrance exam for Bachelor of Science among more than 300,000. 2008

PRESENTATIONS

Fourth Madrilenian Seminar on Software Research (MADSESE), Universidad Alcalá de Henares, Spain May 9th 2018
Title: Software Change Management as A Service: A Self-Adaptive Approach

**11th Seminar on Advanced Techniques & Tools for Software Evolution - (SATToSE 2018),
Athens, Greek**

June 2018

Presented in open MIC

Title: Self-Adaptive Software Maintenance

SAMPLE COURSES (ACCOMPLISHED)

Software Development & Management
Software Testing
Advanced Distributed Systems
Semantic Web
Artificial Intelligence
Data Mining

CERTIFICATES

Social Network Analysis

DEC 2013

Grade Achieved: 78.9%

Instructor: Prof. Lada Adamic

Delivered by Coursera.org

PROFICIENCY

Back-end: *Advanced Knowledge of JavaSE, Experience with Python, C# and Scala, Familiar with PHP, Nodes.js, Express.*

Front end: *JavaScript, HTML, CSS, Angular JS(Beginner).*

Containers: *Microsoft IIS, Familiar with Docker.*

Web-Service: *Familiar with REST, SOAP, GraphQL.*

Database: *Microsoft SQL, MySQL, Familiar with Elasticsearch, Firebase.*

Software Design (&Tools): *Object-Oriented Design, UML, Visual Paradigm, UML Rational Rose.*

Test: *Defect and Bug Discovery, JUnit.*

Analytical Tools: *Weka, Gephi.*

Meta-analysis: *Knowledge of OWL, RDF, XML; Experience with Apache Jena, Protégé.*

Operating systems: *Windows, Linux.*

Big data: *Apache Spark.*

REFERENCES

Dr. Gregorio Robels, Associate Professor at Universidad Rey Juan Carlos, Madrid, Spain

Contact: grex@gsysc.urjc.es

Dr. Reza Akbari, Associate Professor at Shiraz University of Technology, Shiraz, Iran

Contact: akbari@sutech.ac.ir

Dr. Mohsen Emami, Senior Researcher at Uppsala University, Uppsala, Sweden

Contact: emami.mohsen@gmail.com