

Vahid Etemadi

 vahidetemadi.github.io |  Shiraz University of Technology |  +98 9365433074
 vetemadi87@gmail.com |  /in/vahidetemadi |  /vahidetemadi



Professional Experiences

Sep 2014 - Aug 2021 **GRADUATE RESEARCHER AT DISTRIBUTED SYSTEMS LAB, SHIRAZ UNIVERSITY OF TECHNOLOGY, SHIRAZ, IRAN**

- 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. We created a task dependency graph of input bugs and recommend the fixers based on a SBSE approach
- Defining *Knowledge Diffusion* as the objective during a search-based task assignment for making development team more robust to developer churn.
(*) During my PhD, my main PL for implementation were Java (usually used Python as a complement too)
(**) Find our research output [here](#)

Aug 2019- Dec 2019 **SOFTWARE ENGINEERING INTERNSHIP, PAJOUHAN MATIN, SHIRAZ, IRAN**

- Contributing to “mxGraph” open source project to adopt it for BPMS application modeling
- Developing a relational database of a sample organization
 - Working with Java libraries like swing to make a customized UI for BPMS modeling
 - Trying to map BPMS components to relational database entities

Apr 2018- Dec 2018 **VISITING RESEARCHER AT UNIVERSIDAD REY JUAN CARLOS, MADRID, SPAIN**

Visiting LibreSoft lab at the Department of Telecommunication Engineering under the supervision of Prof. Gregorio Robles and Prof. Jesus M. Gonzalez Barahona

Sep 2015- Oct 2017 **SOFTWARE DEVELOPER (PART-TIME), ASRETELECOM, SHIRAZ, IRAN**

- Developing Web Applications for Internet Service Provider Company
- Developing and maintaining SQL server database, working with different kind of queries, taking care of queries performance
 - Implementing the main processes behind an Internet Service Provider company, following an A to Z designing process to deliver maintainable software product
 - Designing and implementing reporting dashboards, usually upon the requests from mid and senior managers.

Sep 2012- Sep 2014 **GRADUATE RESEARCHER AT IE-DATA MINING GROUP K. N. TOOSI UNIVERSITY OF TECHNOLOGY, TEHRAN, IRAN**

- Analyzing a sample network retrieved from *Facebook.com* to propose a hybrid friend recommendation system
- We relied on a combination of structural and social features to strengthen the friend network in social media platforms
- Then, it is going to be more probable to have potential friends reaching out to one another while social media tighten up its whole network

Skills

Programming Languages: Java, Experience with C#, Python, Beginner in Scala , PHP

Databases: MS SQL Server, MySQL, PostgreSQL (Relational), Familiar with Elasticsearch, MongoDB (NoSQL)

Operating Systems: Linux, Windows

Software Design (& Tools): Object-Oriented Design, Rational Unified Process, Data Modeling, UML, Visual Paradigm

Web: Experience with HTML5, CSS, JavaScript

Web-Service: Experience with REST, Knowledge of Microservices, SOA

Architecture (patterns, views): N-Tier, MVC, REST, Client-Server, Service-Oriented

Software Development Frameworks: Spring boot, .NET framework, Familiar with Vue.js and Django

CI/CD: Knowledge of working with Docker, Jenkins, Familiar with GitHub Action

Version Control System: Git

Build Tools: Building with Maven, Familiar with Gradle

Analytical Tools: Weka, Gephi, Experience with PyTorch, Familiar with Keras

Big data: Knowledge of Apache Spark, Familiar with Apache Cassandra and ETL pipeline

Test: Bug localization, JUnit, Mockito, Integration testing of Spring boot

Semantic Analysis: Knowledge of OWL, RDF, XML

Education

2014-2021 **PHD INFORMATION TECHNOLOGY** *Shiraz University of Technology (SUTECH)*

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

2012-2014 **MASTER INFORMATION TECHNOLOGY** *K.N.Toosi University of Technology (KNTU)*

Thesis title: Improving Recommendation System in Social Network with Profile Mining

2008-2012 **BACHELOR INFORMATION TECHNOLOGY** *Shiraz University of Technology (SUTECH)*

Thesis title: Service and Content Distribution in Cloud Computing Environments

Sample Courses (Accomplished)

Advanced Distributed Systems, Semantic Web, Artificial Intelligence, Data Mining, Business Process Re-engineering, Software Development & Management, Software Testing, Database systems

Certificates

Dec 2013 **SOCIAL NETWORK ANALYSIS**

Grade Achieved: 78.9%

Instructor: Prof. Lada Adamic

Delivered by Coursera.org

Languages

Persian Native

English Vantage

Interests

Soccer (Watching), Ping-Pong, Hiking, Language exchange, Movies