

CURRICULUM VITAE



FARID FEYZI, PhD

Assistant Professor, University of Guilan

Tel: +98-9112377148-9302985810

Date & Place of birth: Jul., 1987, Urmia, Iran.

Email: feyzi.farid@gmail.com, feizi@guilan.ac.ir

RESERCH INTERESTS

- Software Testing and Debugging
 - Software Security
 - Software Development methodologies
 - Compilers and Programming Languages
 - AI 4 Software Engineering
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EDUCATION

- **PhD**, Iran University of Science and Technology, Tehran, Iran (2013-2018).
GPA=18.92/20 (Ranked 1st)
 - **MSc**, Sharif University of Technology, Tehran, Iran (2010-2012).
GPA=17.28/20
 - **BSc**, University College of Nabi-Akram, Tabriz, Iran (2007-2009),
GPA = 16.08/20
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HONORS AND AWARDS

- **Ranked 37th** out of 10,000+ graduate applicants in the National Universities Entrance Exam for M.Sc. degree **(2010)**.
- **Ranked 8th** out of 2,000+ graduate applicants in the National Universities Entrance Exam for PhD. degree **(2012)**.

Academic and Executive Experience

- **Director of Information Technology and Cybersecurity Center, University of Guilan,**
May 2023 - June 2024.
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THESIS

- **BS Project:**
"Design and implementation of web-based educational management system",
 - **MS Project:**
"A model driven approach for developing self-adaptive multi-agent systems",
Under Supervision of **Dr. R. Ramsin**, 2012. (Grade 19.5/20)
 - **PhD Thesis:**
"Statistical latent fault localization considering program structure and fault-proneness analysis".
Under Supervision of **Dr. S. Parsa**, 2018.(Grade 20)
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GRADUATE COURSES

Master:

Software Development Methodologies
Advanced Database Systems
Computer System Performance Evaluation
Advanced Software Architecture

Patterns in Software Engineering
Software Testing
Advanced Software Engineering

PhD:

Distributed Systems
Parallelizing Compilers
Machine Learning

Advanced Compilers
Reverse Engineering

PUBLICATION

Journal Papers:

- **M Taghavi, F Feyzi**, "Large Language Models for Software Vulnerability Detection: A Guide for Researchers on Models, Methods, Techniques, Datasets, and Metrics", *International Journal of Information Security*, 2024
- **AA Quraishi, F Feyzi, A Shahbahrami**, "Detection and recognition of vehicle license plates using deep learning in challenging conditions: a systematic review", *International Journal of Intelligent Systems Technologies and Applications*, 2024
- **A Rafiee, F Feyzi, A Shahbahrami**, "Electronic Waste Management Using Smart Contracts on the Blockchain Platform", *SN Computer Science*, 5(7), 2024
- **Farid Feyzi, Arman Daneshdoost**, "Studying the effectiveness of deep active learning in software defect prediction", *International Journal of Computers and Applications*, 45(7-8), 2023
- **Farid Feyzi**, "CGT-FL: using cooperative game theory to effective fault localization in presence of coincidental correctness", *Empirical Software Engineering*, 25(5), 3873-3927, 2020
- **Farid Feyzi**, Saeed Parsa, "Effective Test Data Generation Using Probabilistic Networks", *International Journal of Computing Science and Mathematics (ISI Indexed)*, 2020
- **Farid Feyzi**, "Model-Driven Development of Self-Adaptive Multi-Agent Systems with Context-Awareness", *International Journal of Computer Aided Engineering and Technology*, 2020
- **Farid Feyzi**, Saeed Parsa, "FPA-FL: Effective Statistical Fault Localization with Fault-Prone Analysis", *Journal of Systems and Software (ISI Indexed)*, 2017
- **Farid Feyzi**, Saeed Parsa, "Infomance: Effective Fault Localization Based on Information-Theoretic Analysis and Statistical Causal Inference", *Frontiers of Computer Science (ISI Indexed)*, 2017
- **Farid Feyzi**, Saeed Parsa, "A program Slicing-based Method for Effective Detection of Coincidentally Correctness", *Computing (ISI Indexed)*, 2017
- **Farid Feyzi**, Saeed Parsa, "Bayes-TDG: Effective Test Data Generation Using Bayesian Belief Network: Towards Failure-Detection Effectiveness and Maximum Coverage", *IET Software (ISI Indexed)*, 2017
- **Farid Feyzi**, Saeed Parsa, "Kernel-based Detection of Coincidentally Correct Test Cases to Improve Fault Localization Effectiveness", *International Journal of Applied Pattern Recognition (ISI Indexed)*, 2018
- **Farid Feyzi**, Saeed Parsa, "Statistical Bug Localization by Supervised Clustering of Program Predicates", *International Journal of Information Systems and Change Management*, 2018

Conference Papers:

- **Amin Rezanejad, Amir Seyed Danesh, Farid Feyzi**, "A New Approach in Diagnosing and Preventing SQLIA with Large Language Models (LLMs)", Accepted in 8th International Conference on Combinatorics, Cryptography, Computer Science and Computation, 2023.
- **Farid Feyzi**, Esmaeel Nikravan, Saeed Parsa, "FPA-Debug: Effective Statistical Fault Localization Considering Fault-prone Analysis", Accepted in 2nd International Conference on Knowledge-Based Engineering and Innovation, KBEL, 2015. IEEE

- Esmaeel Nikravan, **Farid Feyzi**, Saeed Parsa, “*Enhancing Path-Oriented Test Data Generation Using Adaptive Random Testing Techniques*”, Accepted in 2nd International Conference on Knowledge-Based Engineering and Innovation, KBEI, 2015. IEEE
- **Farid Feyzi**, Esmaeel Nikravan, Saeed Parsa, “*Statistical Software Debugging Using Automatic Extraction of Fault Predictors*”, In National Conference on Researches of Computer Engineering, 2014. (in Persian)
- **Farid Feyzi**, Esmaeel Nikravan, Saeed Parsa, “*Automatic Software Fault Localization Using Bug Predictors and Association Rule Mining*”, In National Conference on Researches of Computer Engineering, 2014. (in Persian)

PROFESSIONAL SKILLS

- **Programming Languages:**
JAVA, C, C++, PHP, R, Python
- **Technologies, Frameworks & Tools:** Symfony Framework, RDBMS Systems (Mysql, Oracle DB, Postgresql), JEE, Spring, Play Framework, Automated Testing Platforms, Git, SVN, Jenkins, Docker, Gitlab, Maven, Nexus, Drools, Bootstrap, Django
- **SE & Management Concepts:** DevOps, Enterprise Architecture, Business Intelligence, Continues Delivery/Deployment, Cloud Computing Solutions, Design Patterns, Systems Analysis & Design, Software Project Management, Agile Software Methodologies, SaFe & Less Enterprise Agile Solutions, Software Architecture, SOA, BPM, Responsive Web Design
- **Operating Systems**
GNU/Linux, Windows

Additional Experience

2011-2012 Sharif University, BI group (Computer Engineering Department)

2015-2016 System Group Company, Tehran, Iran
Worked as Software Quality Team member in several projects.

LANGUAGE SKILLS

- **Turkish (Azari)** : Native
 - **Farsi** : Native
 - **English:** Fluent Tolimo: 518 MSRT: 67
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