Taha Rostami-Curriculum Vitae

Personal Data

- ❖ Phone: +98-(911) 778 4216
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Education

❖ Tarbiat Modares University (TMU), Tehran	2019-2022
❖ MSc in Software Engineering	
❖ GPA: 3.88/4.0 out of 26 credits	
❖ Thesis Title: Selecting fault revealing mutants using Ensemble Learning	
❖ Supervisor: Dr. Jalili	

❖ Babol Noshirvani University of Technology (BNUT), Babol	2014-2019
❖ BSc in Software Engineering	
❖ GPA: 3.55/4.0 out of 140 credits	
❖ Thesis Title: Automation of Course-Selection Process by Schedule Recommendation	
❖ Supervisor: Dr. Sakhaei	

Awards

Academic

- ❖ Outstanding student, ranked 1st at Computer Engineering Dept., TMU, Tehran, Iran, 2021
- ❖ Scholarship for MSc in Software Engineering study at TMU, 2019
- ❖ Scholarship for BSc in Software Engineering study at BNUT, 2014

Others

- ❖ Iran Chess Premier League, 1st with Asa Saraye Sameh Team, 2013
- ❖ Ranked 3rd place in Asian youth Blitz chess championships, with Iranian National Team, Southern, Sri Lanka, 2012
- ❖ Iran Chess League One,3rd with Asa Saraye Sameh Team, 2011
- ❖ Ranked 1st place in Calligraphy Competition, Mazandaran, Iran, 2007

Research Interests

- ❖ Text analysis- anything that is represented textual, e.g., source code of a program, natural language text, clinical text, etc.

- ❖ Computational Logic and Reasoning- both classical and probabilistic one

- ❖ Constraint Satisfaction Problems- especially from the practical perspective, i.e., by formulating and solving real-world problems such as the ones raised in software verification and using tools such as z3

- ❖ Machine Learning Algorithms- classical and symbolic ones, reinforcement learning, and deep learning; moreover, enjoy thinking in-depth about ensemble learning methods

- ❖ Complexity Theory & Designing Algorithms- it is an old but lifelong appetite to someday work in depth on it

Publications

- ❖ T. Rostami, S. Jalili, "Predicting useful mutants by fine-tuning the UniXcoder pre-trained model," prepared not submitted yet, 2023

- ❖ T. Rostami, S. Jalili, "Predicting fault-revealing mutants based on mutant killing severity," submitted to Information and Software Technology, Editor Received, 2023

- ❖ T. Rostami, "An interpretable model for predicting non-trivial equivalent mutants of the MART," submitted to The Journal of Systems & Software, Under Review, 2023 [preprint]

- ❖ T. Rostami, S. Jalili, "A heuristic function for improving the prediction accuracy of fault revealing mutants," in 9th Iranian Joint Congress on Fuzzy and Intelligent Systems, 2022 [link]

- ❖ T. Rostami, S. Jalili, "A method for improving predictive mutation testing that considers the impacts of missing data," in 12th International Conference on Information and Knowledge Technology, 2021

Selected Academic Projects

- ❖ DeepRL_EmotionRecognition_UsingEEGsignals: This is a project that I collaborated on with a friend. We used Deep Reinforcement Learning to recognize emotions based on EEG signals, 2021 [link]

- ❖ B.Sc project (Harif): Design and Implementation of a graph-based automatic course-selection system that recommends schedules based on student's preferences, 2018 [link]

- ❖ NitPhoneBook: Design and Implementation of an algorithm and software for Babol Noshirvani University of Technology to solve their problem with their out-of-the-date phone-book tools, 2018 [link]

Work Experience

- ❖ Faradars– Teaching Consuming Web Services in C# at a Well-known Educational Website *Faradars*, 2021 [link]

- ❖ RADMAN- Web Developer as an Intern, 2019

- ❖ BNUT- Teaching Assistant Advanced Programming, 2017

- ❖ Behineh System- Software Developer as an Intern, 2015

- ❖ Asasaraye Same- Chess Player, 2011-2013

Languages

- ❖ Persian - native

- ❖ English – TOEFL iBT: Total 93, Reading 28, Listening 21, Speaking 22, Writing 22, April 01, 2023

References

- ❖ Saeed Jalili, Assistant Professor of Computer Science, TMU, sjalili@modares.ac.ir

- ❖ Ali Gholami Rudi, Associate Professor of Computer Science, BNUT, gholamirudi@nit.ac.ir

- ❖ Hesam Omranpour, Associate Professor of Computer Science, BNUT, h.omranpour@nit.ac.ir