**Taha Rostami-Curriculum Vitae**

**Personal Data**

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* Website: <http://taharostami.github.io/>

**Education**

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| * Tarbiat Modares University (TMU), Tehran * MSc in Software Engineering * GPA: 18.05/20 (3.88/4.0) out of 26 credits * Thesis Title: Selecting fault revealing mutants using Ensemble Learning * Supervisor: Dr. Jalili | 2019-2022 |
| * Babol Noshirvani University of Technology (BNUT), Babol * BSc in Software Engineering * GPA: 16.83/20 (3.55/4.0) out of 140 credits * Thesis Title: Automation of Course-Selection Process by Schedule Recommendation * Supervisor: Dr. Sakhaei | 2014-2019 |

**Awards**

**Academic**

* 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**

* Program Analysis
* Automated Software Testing
* Formal Methods
* Machine Learning Algorithms
* Decision-making Under Uncertainty
* Complexity Theory & Designing Algorithms

**Publications**

* T. Rostami, "An interpretable model for predicting non-trivial equivalent mutants of the MART," submitted to The Journal of Systems & Software, 2023
* 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 by estimating the difficulty of killing them," prepared not submitted yet, 2023
* 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
* 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 for recognizing emotions based on EEG signals, 2021
* B.Sc project (Harif): Design and Implementation of a graph-based automatic course-selection system that recommends schedules based on student’s preferences, 2018
* NitPhoneBook: Design and Implementation of Algorithm and Software for Babol Noshirvani University of Technology to Solve their problem with their out-of-the date phone-book tools, 2018

**Work Experience**

* Faradars– Teaching Consuming Web Services in C# at a Well-known Educational Website *Faradars*, 2021
* 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, English

**References**

* Saeed Jalili, Assistant Professor of Computer Science, TMU, [sjalili@modares.ac.ir](mailto: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](mailto:h.omranpour@nit.ac.ir)