Taha Rostami

Website | GoogleScholar | Github | Linkedin | Email: taha.rostami.darunkola@gmail.com

Education

M.Sc., Software Engineering, Tarbiat Modares University (TMU), Iran, GPA: 3.88/4.0, ranked 1st outstanding student   **2019 - 2022**

B.Sc., Software Engineering, Babol Noshirvani University of Technology (BNUT), Iran, GPA: 3.55/4.0   **2014 –2019**

English Published Papers

T. Rostami, S. Jalili, "FrMi: Fault-revealing Mutant Identification using Killability Severity," Information and Software Technology, 2023
[link]

Relevant Experience

Research Assistant, Safety-Critical Software & Systems lab, TMU   **(Sep 2020 - Oct 2022)**

- Did research under Dr. Jalili's supervision on applied machine learning for software testing

Tutor, Faradars [link]   **(Jan 2021 - Mar 2021)**

- Created and taught a C# course on Consuming Web Services

Web Developer Intern, Radman   **(Jul 2018 - Sep 2018)**

- Developed a website using C#, ASP.NET Core, and SQL Server

Teaching Assistant, Advanced Programming course, BNUT   **(Feb 2017 - Jun 2017)**

- Designed and oversaw a project and delegated tasks to students

Software Developer Intern, Behineh System   **(Jul 2015 - Sep 2015)**

- Developed management software using C# and SQL server

Selected Academic Projects

Gross Domestic Product (GDP) Estimator   **2023**

- Estimating GDP in the absence of historical GDP data using SMT solvers and machine learning clustering algorithms

Deep Emotion [link]   **2021**

- EEG-based emotion recognition using deep reinforcement learning

Harif - B.Sc Final Project [link]   **2018**

- A graph-based automatic course-selection software that recommends schedules based on students' preferences

Tati Studio   **2017**

- A compiler + IDE for TSLANG

Computer Skills

- **Highly skilled in Microsoft technologies**, with 6+ years of expertise in C#, SQL Server, ASP.NET Core, ML.NET, SignalR, and more
- **Highly experienced in data science tools**, with 3+ years of experience in Python, PyTorch, TensorFlow, LightGBM, Optuna, and more
- **Familiar with** Z3, LLVM, Hugging Face, NLTK, PyG, Stable Baselines, PyGad, JavaScript, Java, C, R, Hadoop, Docker, Git, and more

Languages

- **Persian - Native**
- **English - TOEFL iBT: Total 93, Reading 28, Listening 21, Speaking 22, Writing 22, April 01, 2023**

References Available Upon Request