Amirreza Dolatpour Fathkouhi

(+98) 9377683975 • a.dolatpour2000@gmail.com

EDUCATION

Bachelor of Computer Engineering **GPA**: 17.72 (out of 20) 2018 - Present
Shiraz University of Technology, Shiraz, Iran,

RESEARCH INTERESTS

Interested in Deep Learning, Machine Learning, Automated machine learning, Swarm Intelligence and explainable AI

RESEARCH EXPERIENCE

Researcher: April 2022 - Present

Learning Systems and Cybernetics Lab, University of Windsor, Ontario, Canada

- Working on explainable and interpretable AI

Researcher: Feb 2022 - Present

Data Modeling, Processing, and Analysis Research Group, Shiraz University of Technology

- Working on preprocessing, analysis and modeling the medical data

Researcher: June 2020 - April 2022

Department of Electrical and Electronic Engineering, Shiraz University of Technology

- Working on the modified versions of Swarm Optimizers and improve their performance in the hard problems and also its Application as a Hyperparameter tuning in Deep neural network models.
- Contribute to multi-disciplinary project aimed at Programming, Simulation, giving ideas and writing the Results.
- Collaborate and coordinate with supervisor, scientific staff and the other member of a team.

TEACHING AND MENTORING EXPERIENCE

Teaching Assistant, Advanced Programming: Jan 2020 - Sep 2020
Department of Computer Engineering, Shiraz University of Technology

- Supervised 30+ Students and grade their exercises.

Teaching Assistant, Artificial Intelligence and Expert Systems Sep 2020 - Feb 2021
Department of Computer Engineering, Shiraz University of Technology

- Supervised 30+ Students on virtual classes and solve their problems.

Teaching Assistant, Computational Intelligence: Mar 2021 - August 2021
Department of Computer Engineering, Shiraz University of Technology

- Supervised 40+ Students and solve their problems
- Record movie for their exercise Solutions.

Teaching Assistant, Algorithm Design: Mar 2021 - August 2021
Department of Computer Engineering, Shiraz University of Technology

- Supervised 30+ Students on virtual classes and solve their problems.
- design the programming exercises.

PUBLICATIONS

Automated Deep CNN Design using Modified Bat Algorithm for Vehicle Classification *[Under-Review]* April 2022

- Ehsan Kiakojouri*, Amirreza Dolatpour Fathkouhi*, Abdollah Kavousi-Fard, Mazaher Karimi
- *IEEE Transactions on Pattern Analysis and Machine Intelligence*
- **these authors contributed equally to this work*

HONORS AND AWARDS

Ranked 4th among all the computer engineering students in my year up to the end of the third year of undergraduate program (now) August 2021

RESEARCH IN PROGRESS

Working on the coronavirus ICU dataset to predict the patient's status

TECHNICAL SKILLS

Programming languages and mathematical packages:

- *Matlab, C, C++, C#, Java (SE), Python, Tensorflow, Numpy, Pandas.*

Computer aided design/engineering:

- *lntellij IDEA, Pycharm, Visual Studio, weka*

Other:

- *Windows OS*

LANGUAGES

Persian: Native

English: Fluent

REFERENCES

Abdollah Kavousi-Fard, Assistant Professor

Department of Electrical and Electronic Engineering

Shiraz University of Technology

kavousi@sutech.ac.ir

Reza Akbari, Associate Professor

Department of Computer Engineering

Shiraz University of Technology

akbari@sutech.ac.ir

Omid Bushehrian, Associate Professor

Department of Computer Engineering

Shiraz University of Technology

bushehrian@sutech.ac.ir