



MAHBOD NOURI

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mahbod.me

EDUCATION

Doctor of Philosophy <i>Computational Neuroscience</i> University of Bremen	Since April 2023 Bremen, Germany
Master of Science <i>Cognitive Science</i> University of Edinburgh	Sep. 2021 – Sep. 2022 Edinburgh, United Kingdom
Bachelor of Science <i>Mechanical Engineering</i> University of Tehran	Sep. 2016 – Sep. 2020 Tehran, Iran

SELECTED PUBLICATIONS

BioLCNet: Reward-modulated Locally Connected Spiking Neural Networks
Hafez Ghaemi*, Erfan Mirzaei*, Mahbod Nouri*, Saeed Reza Kheradpisheh (2022).
Lecture Notes in Computer Science. https://doi.org/10.1007/978-3-031-25891-6_42

Toward Real-World BCI: CCSPNet, A Compact Subject-Independent Motor Imagery Framework
Mahbod Nouri*, F. Moradi*, H. Ghaemi*, A. M. Nasrabadi (2022).
Digital Signal Processing. <https://doi.org/10.1016/j.dsp.2022.103816>

CONFERENCES AND PRESENTATIONS

Cortical Prostheses – Interdisciplinary Research towards Artificial Vision for the Blind Hanse-Wissenschaftskolleg, Delmenhorst, Germany	Sep. 2023
2nd Advanced Course and Symposium on Artificial Intelligence and Neuroscience Certosa di Pontignano, Castelnuovo Berardenga (Siena), Tuscany, Italy	Sep. 2022
Fourth IPM Advanced School on Computing: Artificial Intelligence Tehran, Iran	Aug. 2020

WORK EXPERIENCE

AI Research Intern Advanced Robotics and Intelligent Systems Lab	Summer 2020 University of Tehran
<ul style="list-style-type: none">Design and Implementation of a COVID-19 Diagnosis Model Using Crowd-based Cough Audio DatasetTrain a Mask Detection Model, Finding Correctly and Incorrectly Masked Faces Over Real-time Video	
AI Research Intern Artificial Intelligence in Mechanical Engineering (AIME) Lab	Summer 2020 University of Tehran
<ul style="list-style-type: none">Image Segmentation on CT Scan COVID-19 Infection using Convolutional Neural Networks	

VOLUNTEER EXPERIENCE

Lecturer Lecturer in Python programming at Kaaryar College, a social start-up for teaching programming skills	since Jan. 2021
Organizing Committee Organizing the “Machine Learning and its Applications” summer school at the University of Bremen	Sep. 2023

SKILLS

Languages: Farsi/Persian (Native), English (C1), German (A1)
Programming: Python (PyTorch, TensorFlow, Keras, Scikit-learn, Flask), Julia, C++, R, MATLAB, Solidity, SQL

CERTIFICATES

- Computational Neuroscience Interactive Track and the Course Project at Neuromatch Academy 2022
- Deep Learning Specialization – Coursera Certificate
- Data Science – Iran University of Science and Technology

HONORS AND AWARDS

Fifth National Brain-Computer Interface (BCI) Competition Third Rank in the National Brain-Computer Interface (BCI) Competition Focusing on Auditory Attention held by National Brain Mapping Laboratory (NBML)	June 2022
Oxford Hackathon Winner of the Sponsor Challenge	Feb. 2022
HackTheBurgh VIII Hackathon Second Rank	Feb. 2022
Iranian University Entrance Exam (Konkour) Ranked within the Top 0.2% Students	2016