MAHBOD NOURI

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mahbod.me

EDUCATION

Doctor of Philosophy | *Computational Neuroscience*   Since April 2023
University of Bremen   Bremen, Germany

Master of Science | *Cognitive Science*   Sep. 2021 – Sep. 2022
University of Edinburgh   Edinburgh, United Kingdom

Bachelor of Science | *Mechanical Engineering*   Sep. 2016 – Sep. 2020
University of Tehran   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   Sep. 2023
Hanse-Wissenschaftskolleg, Delmenhorst, Germany

2nd Advanced Course and Symposium on Artificial Intelligence and Neuroscience   Sep. 2022
Certosa di Pontignano, Castelnuovo Berardenga (Siena), Tuscany, Italy

Fourth IPM Advanced School on Computing: Artificial Intelligence   Aug. 2020
Tehran, Iran

WORK EXPERIENCE

AI Research Intern   Summer 2020
Advanced Robotics and Intelligent Systems Lab   University of Tehran
- Design and Implementation of a COVID-19 Diagnosis Model Using Crowd-based Cough Audio Dataset
- Train a Mask Detection Model, Finding Correctly and Incorrectly Masked Faces Over Real-time Video

AI Research Intern   Summer 2020
Artificial Intelligence in Mechanical Engineering (AIME) Lab   University of Tehran
- Image Segmentation on CT Scan COVID-19 Infection using Convolutional Neural Networks

VOLUNTEER EXPERIENCE

Lecturer in Python programming   since Jan. 2021
Karyar College, a social start-up for teaching programming skills

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   June 2022
Third Rank in the National Brain-Computer Interface (BCI) Competition
Focusing on Auditory Attention held by National Brain Mapping Laboratory (NBML)

Oxford Hackathon   Feb. 2022
Winner of the Sponsor Challenge

HackTheBurgh VIII Hackathon   Feb. 2022
Second Rank

Iranian University Entrance Exam (Konkour)   2016
Ranked within the Top 0.2% Students