



Rahim Entezari

Curriculum Vitae

Education

- 01.2019– Present **Ph.D.**, *Institute for Technical Informatics*, Technical University of Graz.
- 10.2014– 02.2017 **MS.c.**, *Computer Engineering Department*, Iran University of Science and Technology, GPA: 3.6/4– 2nd among 20.
Masters Thesis: Human gaze estimation using CNNs and Conditional Random Fields (CRFs)
- 10.2008– 06.2013 **BS.c.**, *Computer Engineering Department*, Amirkabir University of Technology (Tehran Polytechnic), GPA: 3.2/4.

Honors and Awards

- 02.2021 Google Cloud Research credit (40K USD)
- 06.2020 Google Cloud Startup credit (100K USD)
- 03.2020 Amazon Cloud Startup credit (100K USD)
- 07.2018 Student Travel Award for participation of International Conference on Machine Learning (ICML) – Stockholm, Sweden
- 05.2018 Selected Participant with Scholarship to attend “ 2nd PhD Workshop on Binary Classification”- Hildesheim University- Germany
- 07.2018 Student Travel Award for participation of International Conference on Machine Learning (ICML) – Sydney, Australia
- 10.2016 Top Student Award in Artificial Intelligence- Computer Engineering Department, Iran University of Science and Technology for academic year 2015/2016, Tehran, Iran
- 01.2016 Selected participant with scholarship to attend in “ National University of Singapore Workshop on Contemporary Research in Computer Science and Information Systems ”, Singapore, Singapore

Publications

- **The Role of Permutation Invariance in Linear Mode Connectivity of Neural Networks**, Entezari, R., Sedghi, H., Saukh, O., Neyshabur, B. (2021, October). arXiv preprint arXiv:2110.06296.
- **Understanding the effect of sparsity on neural networks robustness**. Timpl, L., Entezari, R., Sedghi, H., Neyshabur, B., Saukh, O. (2021, July). ICML 2021 Workshop on Over-parameterization:

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Pitfalls & Opportunities

- **Class-dependent Pruning of Deep Neural Networks**, Entezari, R., Saukh, O. (2020, February). The second Workshop on Machine Learning on Edge in Sensor Systems (SenSys-ML), CPS-IoT Week 2020.
- **Ph.D. Forum Abstract: Understanding Deep Model Compression for IoT Devices**, Entezari, R. (2020, February). Information Processing in Sensor Networks (IPSN), CPS-IoT Week 2020.
- **Deep and efficient impact models for edge characterization and control of energy events.**, Stamatescu, S. Entezari, R., Saukh, O., Römer, K. IEEE 25th International Conference on Parallel and Distributed Systems (ICPADS), 2019.
- **Avid: Adversarial visual irregularity detection** Sabokrou, M., Pourreza, M., Fayyaz, M., Entezari, R., Fathy, M., Gall, J., Adeli, E. (2018, December). Asian Conference on Computer Vision (pp. 488-505). Springer, Cham.
- **A Deep Learning Method To Estimate 3D Point of regard By Joint Head and Eye Information**, Entezari, R., Arzani, M. M., Fathy, M., Bayat, A. H. (2016). The CSI Journal on Computer Science and Engineering. Vol. 13, No. 2, 2016:42-47
- **A Probabilistic Graphical Model Approach for Human Activity Recognition using Skeleton Data** Bayat, A., Arzani, M., Fathy, M., Matinnejad, A., Minaei-Bidgoli, B., Entezari, R. (2016). International Conference on Signal Processing and Intelligent Systems (ICSPIS)

Working Experience

03.2020- Co-founder and CTO- IREEN- Vienna, Austria
06.2021

03.2019- Co-founder and CTO- AI.Automatica- Munich, Germany
06.2021

01.2018- Deep Learning Researcher- InFact- Tehran, Iran
09.2018

09.2016- Deep Learning Engineer- Sensifai- Tehran, Iran (Remote for Leuven)
12.2017

09.2016- Deep Learning Engineer- University of Tehran, Iran
04.2014

04.2014- Cloud SAS Engineer- Afranet- Tehran, Iran
09.2014

Technical skills

Basic MySQL, MapReduce, VERILOG

Intermediate KERAS, C/C++, \LaTeX , MATLAB, Tensorflow

Advanced PyTorch, python