Armin Moharrer

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Availability: May-December 2020

EDUCATION

- **Northeastern University**, Boston, MA
  Ph.D. Candidate in Electrical & Computer Engineering Jan 2016 – Jan 2021 (Expected)
  GPA: 4.0/4.0
  Courses: Deep Learning, Information Theory, Big Data & Sparsity, Advanced Machine Learning
  Research: Leveraging Sparsity for the Design of Massively Distributed Optimization Algorithms
  Supervisor: Prof. Stratis Ioannidis

- **Northeastern University**, Boston, MA
  Master of Science in Electrical & Computer Engineering Jan 2016 – May 2018
  GPA: 4.0/4.0
  Courses: HPC, Numerical Optimization, Machine Learning, Applied Prob. & Stochastic Process.
  Thesis Title: Distributing Frank-Wolfe via map-reduce

- **Amirkabir University of Technology**, Tehran, Iran
  Bachelor of Science in Electrical Engineering Sep 2011 – Sep 2015
  GPA: 18.12/20.00
  Ranked 15-th among 120 students of 2015 class.

COMPUTER SKILLS

- **Languages:** Python, C/C++
- **Parallel Computing:** Apache Spark, OpenMP, MPI
- **Other:** Keras, PyTorch, TensorFlow**,** MATLAB, Latex, Linux, Microsoft PowerPoint

PUBLICATIONS

Conference

- Milad Mahdian, Armin Moharrer, Stratis Ioannidis, Edmund Yeh. "Kelly Cache Networks." In *International Conference on Computer Communication (INFOCOM)*, 2019. (AR: 19.7%)
- Armin Moharrer and Stratis Ioannidis. "Distributing Frank-Wolfe via Map-Reduce." In *International Conference on Data Mining (ICDM),* 2017. (**Selected among the "Best Papers of ICDM 2017",** AR: 9.25%)

Journal

- Armin Moharrer and Stratis Ioannidis. "Distributing Frank-Wolfe via Map-Reduce." In *Knowledge and Information Systems (KAIS), 2019.*

EXPERIENCE & PROJECTS

Research Assistant, Northeastern University, Boston, MA *Jan 2016-present*

- Work on a variety of optimization algorithms, with applications ranging from experimental design, graph mining tasks, caching in communication networks, regression problems, etc.

Course Projects

- HPC: Implement consensus ADMM algorithm for logistic regression using MPI
- Deep Learning: GNN-extracted node embedding for graph distances