Saba Ahmadi

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Northwestern Univerty
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https://sabaahmadi.github.io

RESEARCH INTERESTS	◇ Approximation Algorithms
	◇ Combinatorial Optimization
	◇ Societal Aspects of Algorithms

EDUCATION

◇ **Ph.D. in Computer Science**   2015 - present
Department of Computer Science, University of Maryland, College Park, MD
Advisor: Prof. Samir Khuller
Coursework: Randomized Algorithms, Network Design, Computational Geometry, Approximation Algorithms (Audited), Machine Learning, Foundation of Machine Learning, Advanced Numerical Optimization, Mechanism Design for Social Good.

◇ **BSc in Software Engineering**   2010 - 2015
University of Tehran, Tehran, Iran

WORKING PAPERS

◇ **The Strategic Perceptron**
Saba Ahmadi, Hedyeh Beyhaghi, Avrim Blum, Keziah Naggita.

◇ **Fair Correlation Clustering**
Saba Ahmadi, Sainyam Galhotra, Barna Saha, Roy Schwartz.

◇ **The Landscape of Precision Cancer Combination Therapy: A Single-Cell Perspective**
Saba Ahmadi, Pattara Sukprasert, Natalie Artzi, Samir Khuller, Alejandro A. Schaffer, Eytan Ruppin

CONFERENCE PAPERS

◇ **An Algorithm for Multi-Attribute Diverse Matching**
Saba Ahmadi, Faez Ahmed, John P. Dickerson, Mark Fuge, Samir Khuller
Internationl Joint Conference on Artificial Intelligence, (IJCAI 2020)

◇ **Min-max Correlation Clustering via Multicut**
Saba Ahmadi, Samir Khuller, Barna Saha
International Conference on Integer Programming and Combinatorial Optimization (IPCO 2019)
The full version is a joint work with Sainyam Galhotra, Samir Khuller, Barna Saha, Roy Schwartz.

◇ **On Scheduling Coflows**
Saba Ahmadi, Samir Khuller, Manish Purohit, Sheng Yang
International Conference on Integer Programming and Combinatorial Optimization (IPCO 2017)

JOURNAL PAPERS

◇ **On Scheduling Coflows**
Saba Ahmadi, Samir Khuller, Manish Purohit, Sheng Yang (Algorithmica 2020)

WORK EXPERIENCE

◇ **Pre-doc Scholar, Northwestern University, Fall 2019 - Spring 2020, and Fall 2020 - present**
Host: Samir Khuller

◇ **Research Intern, Toyota Technological Institute, Summer 2020**
Host: Avrim Blum

⬦ **Research Intern, Oath Inc., Summer 2018**
  Host: Niklas Karlsson

⬦ **Research Intern, University of Massachusetts Amherst, Fall 2017**
  Host: Barna Saha

PROFESSIONAL
SERVICES

⬦ Program Committee for AAAI-20 main track and AI for Social Impact (AISI) track.
Subreviewer for APPROX 2019, FSTTCS 2019, ICALP 2018, SPAA 2017.