Saba Ahmadi

2233 Tech Drive
Mudd Room 3017
Northwestern Univerty
Evanston, IL 60208-3109

saba@cs.umd.edu

RESEARCH INTERESTS	◇ Approximation Algorithms
	◇ Combinatorial Optimization
	◇ Societal Aspects of AI (Fairness and Diversity)

EDUCATION

◇ **University of Maryland**, College Park, Maryland. (September 2015 - Now)
PhD. in Computer Science
Advisor: Prof. Samir Khuller

◇ **University of Maryland**, College Park, Maryland. (2018)

· **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.

◇ **University of Tehran**, Tehran, Iran. (2010-2015)
B.Sc. in Software Engineering

HONORS AND AWARDS

◇ **Dean's Fellowship**, University of Maryland, 2015.

WORKING PAPERS

◇ **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. Schffer, Eytan Ruppin

CONFERENCE PAPERS

◇ **An Algorithm for Multi-Attribute Diverse Matching**
Saba Ahmadi, Faez Ahmed, John Dickerson, Mark Fuge, Samir Khuller. To appear in IJCAI, 2020.

◇ **Min-max Correlation Clustering via Multicut**
Saba Ahmadi, Samir Khuller, Barna Saha. Appeared in the 20th 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. Appeared in the 19th International Conference on Integer Programming and Combinatorial Optimization (IPCO), 2017.

JOURNAL PAPERS

◇ **"On Scheduling Coflows"**
Saba Ahmadi, Samir Khuller, Manish Purohit, Sheng Yang. To appear in Algorithmica.

WORK EXPERIENCE

◇ **Pre-doc Scholar, Northwestern University**
Fall 2019 - Now.

◇ **Research Intern, Oath Inc.**
Summer 2018.

⋄ **Research Intern, University of Massachusetts Amherst**
  Worked under supervision of Prof. Barna Saha, June 2017 and October 2017 - December 2017.

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