

Alireza Amaniamedani

Present Address

London Business School
Sussex Place
Regent's Park, London

Contact Info

a.a.hamedani@gmail.com
aamaniamedani@london.edu
+447713847852

Education

- *Doctor of Philosophy*, Operations Research
London Business School, 2020-Present
- *Bachelor of Science*, Computer Software Engineering
Minor: Mathematics
Sharif University of Technology, 2014 - 2019

Research Papers

- **Adaptive Approximation Schemes for Matching Queues**, with Ali Aouad and Amin Saberi, *submitted to STOC25*, available upon request.
- **Improved Approximations for Stationary Bipartite Matching: Beyond Probabilistic Independence**, with Ali Aouad, Tristan Pollner, and Amin Saberi, *submitted to STOC25*, available online.
- **Spatial Matching under Multihoming**, with Ali Aouad and Daniel Freund, *Operations Research* (Major Revision), available online.
- **Governance of Social Welfare in Networked Markets**, with Fazli, *IEEE Transactions on Computational Social Systems*, available online.
- **On the Maximum Order of Induced Paths and Induced Forests in Regular Graphs**, with Akbari, Mousavi, Nikpey, Sheybani, *Working paper*, available online.

Research Experience

- **Research Internship, Data Analytics Lab, ETH Zurich** Summer 2018
 - Working on deep learning adversarial example generation and distributionally robust optimization
- **Research Internship, School of Computing, National University of Singapore** Summer 2017
 - Working on automated verification of programming languages

Industry Experience

- **Data scientist, Cafe Bazaar** Feb. 2020 - Aug. 2020
 - Working on sponsored search auctions of CafeBazaar app marketplace
 - CafeBazaar is an Android app-store with more than 40 million users.
- **Quantitative analyst, Tosan Ofogh Hezareh** Sep. 2019 - Jan. 2020
 - Working on stock price prediction with deep neural networks
 - Tosan Ofogh Hezareh is an investment management company that combines data-driven approaches with domain expertise.
- **Intern, Cafe Bazaar Company** Feb. 2019 - July 2019
 - Working on data-driven pricing in Divar online marketplace
 - Divar is an Iranian ads and E-commerce mobile app with more than 50 million users.

Honors and Awards	<ul style="list-style-type: none"> • Ph.D. Fellowship, London Business School (2020-2025) • Bronze Medal in 23rd Iranian National Olympiad in Informatics, Tehran, Iran, September 2013
Presentations	<ul style="list-style-type: none"> • Adaptive Algorithms and Approximation Schemes for Dynamic Matching <ul style="list-style-type: none"> – London Business School OM seminar May 2024 • Spatial Matching under Multihoming <ul style="list-style-type: none"> – CIRM Conference “From matchings to markets” Dec. 2023 – INFORMS Annual Meeting Oct. 2023 – INFORMS Revenue Management & Pricing Conference July 2023 – INFORMS Applied Probability Society Meeting June 2023 – Eighth Marketplace Innovation Workshop (MIW) May 2023 – INFORMS Annual Meeting Oct. 2022
Teaching Experience	<ul style="list-style-type: none"> • London Business School <ul style="list-style-type: none"> – Teaching assistant: Decision Analytics and Modeling, Applied Statistics • Sharif Unievrslty of Technology <ul style="list-style-type: none"> – Teaching assistant: Discrete Structures, Data Structures Design, Stochastic Processes, Engineering Probability and Statistics, Design of Algorithms, Data Mining • Iranian Young Scholars Club <ul style="list-style-type: none"> – National Olympiad in Informatics Instructor in several high schools and Young Scholars Club
Skills	<u>Programming Languages:</u> C/C++ and STL, Java, R, Python, TensorFlow, PyTorch, Spark, L ^A T _E X, Stata, Visual Basic, HTML.
Languages	Persian (Native), English (Fluent), French (Intermediate)