Alireza Amanihamedani

Present Address
London Business School
Sussex Place
Regent's Park, London

Contact Info
a.a.hamedani@gmail.com
aamanihamedani@london.edu
+447713847852

Education

- *Doctor of Philosophy,* Operations Research
  London Business School, 2020-2026

- *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, *in submission*, available upon request.
- **Improved Approximations for Stationary Bipartite Matching: Beyond Probabilistic Independence**, with Ali Aouad, Tristan Pollner, and Amin Saberi, *in submission*, 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	• Ph.D. Fellowship, London Business School (2020-2025)
	• Bronze Medal in 23rd Iranian National Olympiad in Informatics, Tehran, Iran, September 2013

Presentations

- Adaptive Algorithms and Approximation Schemes for Dynamic Matching
  - London Business School OM seminar   May 2024
- Spatial Matching under Multihoming
  - 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

- **London Business School**
  - Teaching assistant: Decision Analytics and Modeling, Applied Statistics
- **Sharif Unievrsity of Technology**
  - Teaching assistant: Discrete Structures, Data Structures Design, Stochastic Processes, Engineering Probability and Statistics, Design of Algorithms, Data Mining
- **Iranian Young Scholars Club**
  - National Olympiad in Informatics Instructor in several high schools and Young Scholars Club

Skills

Programming Languages: C/C++ and STL, Java, R, Python, TensorFlow, PyTorch, Spark, LaTeX, Stata, Visual Basic, HTML.

Languages

Persian (Native), English (Fluent),
French (Intermediate)