

## EDUCATION

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- **ENSAE, Institut Polytechnique de Paris and IIT-Genova**  
*PhD Candidate, Theoretical Statistics* Sep. 2019 – Present
  - **Advisors:** Alexandre B. Tsybakov and Massimiliano Pontil
- **Paris Dauphine University and École Normale Supérieure Paris-Saclay**  
*Master M2 MASH Learning and Applications; Mention: Très Bien* Sep. 2017 – Dec. 2018
- **Sharif University of Technology, Tehran, Iran**  
*First year of Master in Mathematics; Mention: Très Bien* Sep. 2016 – Jul. 2017
- **University of Tehran, Tehran , Iran**  
*B.Sc. in Mathematics* Sep. 2011 – Jul. 2016

## EXPERIENCE

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- **Research Fellow at Istituto Italiano di Tecnologia (IIT)-Genova**  
*Advisors: Alexandre B. Tsybakov and Massimiliano Pontil* Apr. 2019 – Aug. 2019
- **Internship at ENSAE, IP, Paris**  
*Advisor: Alexandre B. Tsybakov* Apr. 2018 – Dec. 2019

## RESEARCH INTERESTS

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- **Optimization**
- **High-dimensional Statistics**
- **Non-parametric Statistics**
- **Stochastic Process**

## PUBLICATIONS IN INTERNATIONAL PEER-REVIEWED CONFERENCES

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- A. Akhavan, E. Chzhen, M. Pontil, and A.B. Tsybakov (2021). *Zero order optimization of highly smooth functions: improved analysis and new algorithm (Upcoming Paper)*
- A. Akhavan, M. Pontil, and A. Tsybakov (2021). “Distributed Zero-Order Optimization under Adversarial Noise”. In: *Advances in Neural Information Processing Systems 34*
- A. Akhavan, M. Pontil, and A.B. Tsybakov (2020). “Exploiting higher order smoothness in derivative-free optimization and continuous bandits”. In: *Advances in Neural Information Processing Systems 33*

## REVIEWING

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- **Conference:** NeurIPS;

## HONORS AND AWARDS

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- **Ranked 1st**, evaluation of the master’s thesis by the committee of Master M2 MASH in Paris Dauphine University 2018
- **Ranked 3rd**, overall coursework in Master M2 MASH 2018
- **Granted by Fondation Sciences Mathématiques de Paris** 2017
- **Silver Medal**, in 39th Iranian Mathematical Society Competition. 2015

## RESEARCH TALKS

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- **Centre International de Rencontres Mathématiques (CIRM)**, Machine Learning and Nonparametric Statistics, Marseille, France. *Dec. 2021*
- **PGMO Days**, Annual Meeting of the Gaspard Monge Program for Optimization and Operations Research and Their Interactions with Data Sciences, Paris, France. *Dec. 2021*

## TEACHING EXPERIENCE

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- **Number Theory**, instructed by Amir Ghadermarzi at University of Tehran, Tehran, Iran. *Aug. 2017*
- **Topology**, instructed by Hadi Zare at University of Tehran, Tehran, Iran. *Sep. 2016*
- **Linear Algebra**, instructed by Hadi Zare at University of Tehran, Tehran, Iran. *Sep. 2016*

## ACADEMIC SERVICES

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- **Instructor of Problem Solving Sessions for the team of University of Tehran**  
*To prepare for 40th Iranian Mathematical Society Competition* *May 2016*
- **Co-Head of the team of University of Tehran**  
*In 40th Iranian Mathematical Society Competition, Iran University of Science and Technology.* *Aug. 2016*

## PROGRAMMING SKILLS

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- **Languages:** Python, R, C++

## LANGUAGES

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- **Persian:** native
- **Armenian:** native
- **English:** fluent
- **French:** working proficiency