

Andreas MAGGIORI

CONTACT INFORMATION

EMAIL: am6292@columbia.edu

LINKS: [!\[\]\(666e09182d4cd268646ea700ea60dcdf_img.jpg\)](#) [!\[\]\(1ef1ef0bf9af6c6996401964cf280f2d_img.jpg\)](#) [!\[\]\(e9a80c8557f9285916925bd4ac40fff5_img.jpg\)](#) [!\[\]\(88e2edecff3400e68a80dd08c57d2f9c_img.jpg\)](#)

PROFESSIONAL EXPERIENCE

- | | |
|------------------------|--|
| <i>10/2023-Present</i> | Postdoctoral Research Scientist, Columbia University
Mentors: Eric Balkanski and Will Ma |
| <i>05/2022-08/2022</i> | Research Intern, Google Zurich
Hosted by Ehsan Kazemi , I worked on abuse video detection using deep learning and clustering techniques. |
| <i>07/2021-10/2021</i> | Research Intern, Google Zurich
Hosted by Nikos Parotsidis , I worked on improving the performance of distributed clustering algorithms. Part of this work was published at ICML 2022 . |

EDUCATION

- | | |
|------------------------|---|
| <i>09/2018-09/2023</i> | École Polytechnique Fédérale de Lausanne (EPFL), Switzerland
PhD in Computer Science
Thesis: Beyond worst-case analysis, with or without predictions
Advisors: Rüdiger Urbanke and Ola Svensson |
| <i>09/2011-10/2017</i> | National Technical University of Athens, Greece
Diploma (5-year joint degree; 300 ECTS),
Electrical and Computer Engineering (ECE)
Grade: 9.12 / 10 (approx. best 3%)
Thesis: Using Machine Learning Techniques to Infer
Players' Valuations in Online Ad Auctions
Advisor: Dimitris Fotakis |

RESEARCH INTERESTS

I am broadly interested in data-driven decision-making under uncertainty and its societal implications. My work combines techniques from combinatorial optimization and machine learning with the ultimate goal of designing algorithms that outperform classical algorithms when accurate predictions about the future are available while maintaining robustness against adversarial and/or biased predictions.

PUBLICATIONS

Authors are in alphabetical order.

1. Fair and Consistent Correlation Clustering
ALT 2025 (to appear)
[E. Balkanski](#), [I. Chatzitheodorou](#), A. Maggiori
2. Data-Driven Solution Portfolios
ITCS 2025
[M. Drygala](#), [S. Lattanzi](#), A. Maggiori, [M. Stouras](#), [O. Svensson](#), [S. Vassilvitskii](#)
3. Fair Secretaries with Unfair Predictions
NeurIPS 2024
[E. Balkanski](#), [W. Ma](#), A. Maggiori
4. Dynamic Correlation Clustering in Sublinear Update Time
ICML 2024 (spotlight presentation - 3% acceptance rate)
[V. Cohen-Addad](#), [S. Lattanzi](#), A. Maggiori, [N. Parotsidis](#)

5. [Online and Consistent Correlation Clustering](#)
ICML 2022
V. Cohen-Addad, S. Lattanzi, A. Maggiori, N. Parotsidis
6. [An Improved Analysis of Greedy for Online Steiner Forest](#)
SODA 2022
É. Bamas, M. Drygala, A. Maggiori
7. [The Primal-Dual method for Learning Augmented Algorithms](#)
NeurIPS 2020 (oral talk - 1% acceptance rate)
É. Bamas, A. Maggiori, O. Svensson
8. [Learning Augmented Energy Minimization via Speed Scaling](#)
NeurIPS 2020 (spotlight presentation - 3% acceptance rate)
É. Bamas, A. Maggiori, L. Rohwedder, O. Svensson
9. [Online Matching with General Arrivals](#)
FOCS 2019
B. Gamlath, M. Kapralov, A. Maggiori, O. Svensson, D. Wajc

INVITED TALKS

- Fair Secretaries with Unfair Predictions
 - 11/2024 **Drexel University, USA**
 - 11/2024 **University of Massachusetts, Amherst (UMass), USA**
 - 10/2024 **Yale SOM Operations Seminar, Yale University, USA**
 - 09/2024 **Rutgers/DIMACS Theory of Computing Seminar, Rutgers University, USA**
 - 07/2024 **INFORMS Revenue Management and Pricing Section Conference, UCLA, USA**
 - 07/2024 **Workshop on Algorithms with Predictions, Columbia University, USA**
 - 06/2024 **INFORMS Workshop on Market Design, Yale University, USA**
- Data-Driven Solution Portfolios
 - 10/2024 **NYU Theory Seminar, New York University, USA**
- Online and Consistent Correlation Clustering
 - 06/2023 **INFORMS Applied Probability Society Conference, Nancy, France**
 - 09/2022 **University of Massachusetts, Amherst (UMass), USA**
- The Primal-Dual method for Learning Augmented Algorithms
 - 09/2022 **Simons Institute for the Theory of Computing, UC Berkeley, USA**
 - 09/2022 **University of Massachusetts, Amherst (UMass), USA**
 - 06/2021 **Google Zurich, Switzerland**

AWARDS

- 2023-2025: [DSI fellowship](#) of Columbia University
- 2023-2025: [SNSF PostDoc Mobility fellowship](#) (declined due to conflict with DSI fellowship)
- 2018-2019: [EDIC fellowship](#) of EPFL
 - 2017: 1st in the NTUA hub at the Google Hashcode programming competition (170 in the world) with the team *Veni Vidi Vsync*
 - 2013: Bronze medal at SEEMOUS (South Eastern European Mathematical Olympiad for University Students) competition [\[results\]](#)
 - 2010: Bronze medal in the Euclid phase of high school mathematics competition organized by the [Hellenic Mathematical Society](#)
- 2008, 2010: Twice finalist in the Archimedes high school mathematics competition organized by the [Hellenic Mathematical Society](#)

LANGUAGES

Greek (*Native*), Italian (*Native*), English (C2), French (C2), Spanish (B2)