

Andreas MAGGIORI

CONTACT INFORMATION

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

PROFESSIONAL EXPERIENCE

- | | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10/2023-Present | Postdoctoral Research Scientist, Columbia University
Mentors: Eric Balkanski and Will Ma |
| 05/2022-08/2022 | Research Intern, Google Zurich
Hosted by Ehsan Kazemi , I worked on abuse video detection using deep learning and clustering techniques. |
| 07/2021-10/2021 | 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

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| 09/2018-09/2023 | École Polytechnique Fédérale de Lausanne (EPFL), Switzerland
PhD in Computer Science
Thesis: <i>Beyond worst-case analysis, with or without predictions</i>
Advisors: Rüdiger Urbanke and Ola Svensson |
| 09/2011-10/2017 | National Technical University of Athens, Greece
Diploma (5-year joint degree),
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 |

LONG TERM RESEARCH VISITS

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| 09/2022-11/2022 | Simons Institute for the Theory of Computing , UC Berkeley
Visiting graduate student for the program Data-Driven Decision Processes |
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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 Secretaries with Unfair Predictions**
NeurIPS 2024 (to appear)
E. Balkanski, W. Ma, A. Maggiori
2. **Dynamic Correlation Clustering in Sublinear Update Time**
ICML 2024 - **Spotlight Presentation (3% acceptance rate)**
V. Cohen-Addad, S. Lattanzi, A. Maggiori, N. Parotsidis
3. **Online and Consistent Correlation Clustering**
ICML 2022
V. Cohen-Addad, S. Lattanzi, A. Maggiori, N. Parotsidis
4. **An Improved Analysis of Greedy for Online Steiner Forest**
SODA 2022
É. Bamas, M. Drygala, A. Maggiori
5. **The Primal-Dual method for Learning Augmented Algorithms**
NeurIPS 2020-**Oral Talk (1% acceptance rate)**
É. Bamas, A. Maggiori, O. Svensson
6. **Learning Augmented Energy Minimization via Speed Scaling**
NeurIPS 2020-**Spotlight Presentation (3% acceptance rate)**
É. Bamas, A. Maggiori, L. Rohwedder, O. Svensson
7. **Online Matching with General Arrivals**
FOCS 2019
B. Gamlath, M. Kapralov, A. Maggiori, O. Svensson, D. Wajc

WORK IN PROGRESS

Authors are in alphabetical order.

1. **Fair Secretaries with Unfair Predictions**
Job market paper – preliminary version accepted at NeurIPS 2024
E. Balkanski, W. Ma, A. Maggiori
2. **The Primal-Dual method for Learning Augmented Algorithms**
Preliminary version accepted as an **oral talk** at NeurIPS 2020
É. Bamas, A. Maggiori, O. Svensson
3. **Fair and Consistent Correlation Clustering**
Submitted
E. Balkanski, I. Chatzitheodorou, A. Maggiori
4. **Data-Driven Solution Portfolios**
Submitted
M. Drygala, S. Lattanzi, A. Maggiori, M. Stouras, O. Svensson, S. Vassilvitskii

INVITED TALKS

* Scheduled

- 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*)