

# Guy Aridor

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## Education

Ph.D. Economics, Columbia University, 2016-2022 (expected).

Fields: Industrial Organization, Economics of Digitization

B.A. Economics, Computer Science, Mathematics, Boston University, 2014

College Prize for Excellence in Economics

Honors in Economics, *summa cum laude*

## Working Papers

1. The Effect of Privacy Regulation on the Data Industry: Empirical Evidence from GDPR  
(w/ Yeon-Koo Che, Tobias Salz)  
Previously circulated as NBER Working Paper #26900,  
The Economic Consequences of Data Privacy Regulation: Empirical Evidence from GDPR
2. Competing Bandits: The Perils of Exploration under Competition  
(w/ Yishay Mansour, Alex Slivkins, Steven Wu)  
An expanded version of the EC'19 paper
3. Recommenders' Originals: Integrated Recommender Systems and Vertical Foreclosure  
(w/ Duarte Gonçalves)  
*Revision requested at International Journal of Industrial Organization*
4. Adaptive Efficient Coding: A Variational Autoencoder Approach  
(w/ Francesco Grechi, Michael Woodford)

## Refereed Conference Proceedings

5. Deconstructing the Filter Bubble: User Decision-Making and Recommender Systems  
(w/ Duarte Gonçalves, Shan Sikdar)  
*14th ACM Conference on Recommender Systems 2020 (RecSys '20)*
6. The Perils of Exploration under Competition: A Computational Modeling Approach  
(w/ Kevin Liu, Alex Slivkins, Steven Wu)  
Extended abstract at *20th ACM Conference on Economics and Computation 2019 (EC '19)*

## Presentations

### Conference Presentations

2021: (\*)Statistical Methods for Computational Advertising (BIRS), (\*)World Congress of Game Theory (Budapest/Online), (\*)INFORMS Annual Meeting (Anaheim/Online)

2020: FTC PrivacyCon (Online), ACM Conference on Recommender Systems, (Online), Big Tech & Antitrust - Competition Policy in the Digital Age (Yale Law, Online), MIT Conference on Digital Experimentation (Online), International Industrial Organization Conference (Drexel / *cancelled due to COVID-19*)

2019: ACM Conference on Economics and Computation (Phoenix), Young Economists Symposium (Columbia)

(\*) = Scheduled

## **Computer Science Workshop Posters / Short Presentations**

ICML 2020 Workshop on Participatory Approaches to Machine Learning (Online)

2019 Conference on Web and Internet Economics Poster Session (Columbia)

ACM EC 2019 Workshop on ML in the Presence of Strategic Behavior (Phoenix)

2019 Annual Machine Learning Symposium (New York Academy of Sciences)

Machine Intelligence Conference (MIT Media Lab)

## **Research Grants and Fellowships**

Program for Economic Research Award for Field or Experimental Research, Columbia University, 2021

Amount: \$19,625.00

Program for Economic Research Summer Fellowship, Columbia University, 2018,2020

College Prize for Excellence in Economics, Boston University, 2014

Hariri Institute for Computing Summer Research Award, Boston University, 2013

Tuition Exchange Scholarship, Boston University, 2010-2014

## **Work Experience**

Software Engineer at HubSpot, 2015-2016

Software Engineer at Nutonian, 2014-2015

Co-founder at RequestNow, 2012-2014

Received initial funding from Rough Draft Ventures

## **Research Assistant**

Yeon-Koo Che (Columbia University, Economics), Fall 2019-Fall 2020

Tobias Salz (Columbia University, Economics), Summer, Fall 2018

Michael Woodford (Columbia University, Economics), Summer 2017

Henry Lam (Boston University, Mathematics), Summer 2013

Robert King (Boston University, Economics), Summer 2012

## **Invited Summer School / Instructional Workshops**

NBER Economics of Digitization Tutorial, 2021

NBER Young Scholars Workshop on the Economics of Artificial Intelligence, 2018

Summer School on Cognitive Foundations of Economic Behavior, 2018

## Miscellaneous

Nationality: Israel, United States

*Programming Languages:* Julia, Python, JavaScript, Java, C++, SQL, R, MATLAB, STATA

*Data Processing Frameworks:* Spark, Hadoop, Kafka, Hive

*Human Languages:* English (native), Hebrew (intermediate)

BattleHack Boston Winner / 3rd Place World Finals, 2014

Open-Source Software: PlanOut.js, react-experiments, Scientist4J