Andreas Haupt

Curriculum Vitæ

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───── Academic

2024	**Ph.D. in Engineering-Economic Systems**, *Computer Science and Artificial Intelligence Laboratory and Schwarzman College of Computing, Massachusetts Institute of Technology*, Cambridge
2019	**B.Sc. in Computer Science**, *Goethe-Universität*, Frankfurt, Germany
2018	**M.Sc. in Economics, M.Sc. in Mathematics, B.Sc. in Mathematics**, *Rheinische Friedrich-Wilhelms Universität*, Bonn, Germany
Honors	Merit Full Scholarship (Villigst Foundation, 2012-17), Presidential Fellowship (M.I.T., 2019-2020)

───── Professional Experiences

06/2023-08/2023 **Fellow**, *Federal Trade Commission*, Washington D.C., USA, ftc.gov
- ○ Drafted background memos on European and U.S. regulatory and self-regulatory approaches on A.I.
- ○ Drafted statements on the effect of advanced systems on competition (G7 and ICN)
- ○ Conducted research for a not-yet-disclosed investigation into an advanced AI company

01/2021-05/2021 **Trainee**, *European Commission, Directorate-General for Competition, Unit C.6: Data Markets and Ecommerce*, Brussels, Belgium, commission.europa.eu
- ○ Drafted for the voice assistants sector inquiry
- ○ Rebutted empirical and theoretical economic and technological arguments in the case against Amazon Inc. regarding Amazon Marketplace's data sharing with third-party sellers.

02/2017-03/2017 **Intern**, *German National Parliament (Bundestag)*, Berlin, Germany, marian-wendt.de
- ○ Prepared meeting agenda and drafted responses for online pharmacy regulation

08/2017-06/2019 **Fellow**, *Teach First Deutschland*, Groß-Gerau, Germany, teachfirst.de
- ○ Taught Computer Science and Mathematics at a high school with a professional focus.

───── Invited Talks

2023	Econ x AI Workshop, Harvard Business School
	Multi-Agent Group, Google Deepmind London
	Center for Humans and Machines, Max Planck Institute Berlin
	Neural Reinforcement Learning Group, Max Planck Institute Tübingen
	EconCS Group, Harvard University
2022	ILIAD Group, Stanford University
	Workshop on Algorithms, Learning and Economics, Naxos, Greece
	EconCS Group, Harvard University
2021	EconCS Group, Northwestern University
	ACM Fairness, Accountability and Transparency (Full Tutorial)

Selected Organized and Moderated Events

EU A.I. Act "Technical Perspectives on the EU A.I. Act", with Gabriele Mazzini, Team Lead A.I. Act, European Commission; Boaz Barak, Harvard University; Sarthak Agarwal, former OpenAI, spring 2023

Audits "Algorithmic Audits in Economic Contexts", with Cathy O'Neil, ORCAA; Christo Wilson, Northeastern University; Alex Mackay, Harvard Business School), winter 2022

References

Dylan Hadfield-Menell
Department of E.E. and Computer Science
Massachusetts Institute of Technology
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David Parkes
Department of Computer Science
Harvard University
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Eric Maskin
Department of Economics
Harvard University
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Maria Coppola
Office of International Affairs
Federal Trade Commission
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Tools and Methods

Software Engineering and Parallel Computing • Scraping and Web Development • Deep Learning • Database Management • Memo Writing

Selected Coursework in Technology Policy and Ethics

Case Studies in Public and Private Policy Challenges of Artificial Intelligence (spring '24, Jonathan Zittrain) • Design for Democratic Discourse (Deb Roy, Jonathan Zittrain) • Solving Tech's Social Dilemmas (Ash Carter) • Economics of Information and Technology (Erik Brynjolfsson) • Philosophy of Technology (Mathias Risse).

Selected Student Leadership

2022-23 MIT Science Policy Initiative, President (acting)
2021-23 MIT AI Ethics & Policy Group, Chair

Selected Publications

All articles except for [7] are first, joint first, or articles written with alphabetical author order.

Conference Papers

[1] Mihaela Curmei et al. "Towards Psychologically-Informed User Models". In: *Proceedings for the 16th ACM Conference on Recommender Systems'*. 2022.

[2] Andreas Haupt and Zoë Hitzig. "Contextually Private Mechanisms". In: *Proceedings for the 23rd ACM Conference on Economics and Computation*. 2022.

[7] Brian Hu Zhang et al. "Computing Optimal Equilibria and Mechanisms via Learning in Zero-Sum Extensive-Form Games". In: *Advances in Neural Information Processing Systems 36*. 2023.

Workshop Papers

[3] Andreas Haupt and Vaikkunth Mugunthan. *Prior-Independent Auctions for the Demand Side of Federated Learning*. Workshop on Private and Distributed Machine Learning, ICLR '21. 2021. arXiv: `2103.14375` `[cs.LG]`.

[4] Andreas Haupt and Aroon Narayanan. *Risk Aversion In Learning Algorithms and Recommendation Systems*. Revise and Resubmit, Games and Economic Behavior; Workshop on Attributing Model Behavior at Scale, Neurips '23. 2022. arXiv: `2205.04619` `[ECON.TH]`.

[5] Andreas Haupt, Chara Podimata, and Dylan Hadfield-Menell. *Recommending to Strategic Users*. Workshop on the Foundations of Responsible Computing '23. 2023. arXiv: `2302.06559` `[CS.CY]`.

[6] Andreas Haupt et al. *The Long-Term Effects of Personalization: Evidence from Youtube*. Workshop on Algorithmic Fairness through the Lens of Time, Neural Information Processing and Systems 2023. 2023.