Andreas Haupt | Curriculum Vitæ

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Academic

Massachusetts Institute of Technology   **Cambridge, USA**
Interdisciplinary Doctor of Philosophy, GPA 5.0/5.0   *2019-2023*
Computer Science and Artificial Intelligence Laboratory
Specialization: Human-Centered Artificial Intelligence
Co-Advisors: Dylan Hadfield-Menell, Alessandro Bonatti.

Goethe-Universität   **Frankfurt, Germany**
B.Sc. in Computer Science   *2019*

Rheinische Friedrich-Wilhelms Universität   **Bonn, Germany**
M.Sc. in Economics (with distinction), M.Sc. in Mathematica, B.Sc. in Mathematics   *2018*

Relevant Coursework: Machine Learning (Tommi Jaakola, MIT), Causal Machine Learning (Victor Chernozhoukov, MIT), Algorithmic Game Theory (Konstantinos Daskalakis, MIT), Design for Democratic Discourse (Jonathan Zittrain, Harvard Law School), Economics of Information and Technology (Erik Brynjolfsson, MIT Sloan), Industrial Organization (Glenn Ellison, MIT), Market Design (Parag Pathak, MIT), Simplicity and Complexity in Economics (Mohammad Akbarpour, Stanford Graduate School of Business),

Fellowships: Villigst Merit Scholar 2012-17 (full scholarship), Presidential Fellow 2019-20 (full fellowship), MIT, Social and Ethical Responsibilities Scholarship 2022, MIT.

Presentations: EconCS (3x) (Harvard), Computer Science meets Game Theory (Stanford), ILIAD (Stanford), EconCS (Northwestern)

Tutorials: ACM Fairness, Accountability and Transparency 2021.

Professional Experiences

European Commission, Directorate General for Competition   **Brussels, Belgium**
Trainee in Unit C.6: Data Markets and Ecommerce   *Spring 2021*
○ Conducted research and drafted for Voice Assistants Sector Inquiry report
○ Analyzed data and techno-economic arguments in the Amazon submission for the European Commission's case against Amazon regarding Amazon Marketplace's data use

German National Parliament   **Berlin, Germany**
Research Assistant, marian-wendt.de   *Spring 2017*
○ Drafted policy briefs on digital and homeland policy issues to support commitee work (digital, NSA)

MITx Micromasters in Statistics and Data Science   **Cambridge, MA**
Teaching Fellow, openlearning.mit.edu   *Spring 2021*
○ Created content and answered questions on the forum for the course "Machine Learning with Python"
○ Facilitated 14 sessions of 135min live recitations for learners from Uruguay

Teach First Deutschland   **Groß-Gerau, Germany**
Fellow/Associate Teacher at Professional School Groß-Gerau, teachfirst.de   *2017-2019*
○ Taught 20h/week in mathematics, German and CS and coached students on their goals for vocational education

Service

Policy Advisor: Expert for the rapporteur on the European Union Artificial Intelligence Act proposal 2022

Chair: MIT AI Ethics Graduate Group 2021-22, MIT Graduate Student Council Sustainability Committee

2020-21; Harvard-MIT Student Group on Economics and Algorithms

Organizer: MIT AI Policy Forum Session on the EU digital policy packages

Referee: MIT Electrical Engineering and Computer Science PhD Admissions 2022, Program Committee ACM Fairness, Accountability and Transparency 2022, Program Committee International Conference on Machine Learning 2022, Reviewer for ACM Equity and Access in Algorithms, Mechanisms, and Optimization

Certificates

Machine Learning: Deep Learning (Andrew Ng), Probabilistic Graphical Models I (Stanford, Daphne Koller)

Teaching and Management: Kaufman Teaching Certificate (MIT), Project Management Foundations (DGP)

Publications

Andreas* Haupt and Vaikkunth* Mugunthan (2021). "Prior-Independent Auctions for the Demand Side of Federated Learning". In: *ICLR Workshop on Distributed, Private Machine Learning*.

Andreas Haupt*, Dirk Bergemann*, et al. (2021). "The Optimality of Add-On Pricing". In: Conference on Web and Internet Economics 2021.

Andreas Haupt* and Zoë Hitzig* (2021). "Contextually Private Implementation". In: ACM Conference on Economics and Computation 2022.

Andreas Haupt*, Mohammad Khatami, et al. (2020). "Classification on Large Networks: A Quantitative Bound via Motifs, Graphons". In: *Proceedings of the AWM Research Symposium* 22.

Working Papers and Works In Preparation

Philip Christophersen*, Andreas Haupt*, and Dylan Hadfield-Menell (2022). "Getting it in Writing: Formal Contracting Solves Social Dilemmas in Multi-Agent Reinforcement Learning". Upon Request.

Mihaela Curmei* et al. (2021). "Dynamic User Models in Recommender Systems". Upon Request.

Andreas Haupt* and Dylan Hadfield-Menell (2021). "Staying on the Right Side of Recommender Systems: Equity and Externalities in Strategic Collaborative Filtering". Upon request.

Andreas Haupt* and Aroon Narayanan* (2022). "Cautious Algorithms". Upon Request.

Andreas Haupt* and Praneeth Vepakomma* (2022). "Federated Learning with Privacy Preferences". Upon Request.