

Andreas Haupt | Curriculum Vitæ

✉ a.haupt@me.com • 🌐 indraos.github.io • in indraos • 🌐 indraos

*Andy often proposes things that sounds very dumb,
and then turn out to be fun.*

Academic

Massachusetts Institute of Technology

Cambridge, USA

PhD in Social and Engineering Systems, MIT GPA 5.0

current

Specialization: Artificial Intelligence and Decision-Making, Design Economics

Thesis Working Title: Design Economics for Artificial Intelligence

Co-Advisors: Alessandro Bonatti, Dylan Hadfield-Menell,

Goethe-Universität

Frankfurt, Germany

B.Sc. in Computer Science

2019

Specialization: Probabilistic Graphical Models, Machine Learning

Thesis: Multi-Agent Influence Diagrams and Commitment

Thesis Supervisor: Nils Bertschinger

Rheinische Friedrich-Wilhelms Universität

Bonn, Germany

M.Sc. in Economics (with distinction), German GPA 1.2

2018

Specialization: Mechanism Design

Thesis: Voting with Limited Communication

Thesis Supervisor: Benny Moldovanu

Rheinische Friedrich-Wilhelms Universität

Bonn, Germany

M.Sc. in Mathematics, German GPA 1.2

2017

Specialization: Random Graphs

Thesis: A Data Application of Graphon Theory

Thesis Supervisor: Ngoc Mai Tran

Rheinische Friedrich-Wilhelms Universität

Bonn, Germany

B.Sc. in Mathematics

2014

Relevant Coursework: Experiential Ethics, Machine Learning, Economics of Information and Technology, Market Design, Simplicity and Complexity in Economics, Industrial Organization, Causal Machine Learning, Decision-Making under Uncertainty

Fellowships: Ev. Studienwerk Full Merit Scholarship 2012-17, MIT Presidential Fellowship 2019-20

Experiences

Policy.....

European Commission, Directorate General for Competition

Brussels, Belgium

Postgraduate Visitor in Unit C.6: Data Markets and Ecommerce

Spring 2021

- Technology Policy and Digital Economic research for the Digital Markets Act Proposal
- Data Analysis of contributions in the Commission's case on data use by Amazon marketplace

Office of a Member of German National Parliament

Berlin, Germany

Research Assistant in the office of Marian Wendt, marian-wendt.de

Spring 2017

- Researched and wrote summaries on digital and homeland policy issues to support committee work (digital, NSA)
- Built a web scraper for the download of relevant legislation, saving 20min/week for the other members of the office

Teaching.....

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”
- Facilitating 135min/week live recitations for learners from Uruguay
- Created reusable course content for 5 recitations

Teach First Deutschland

Groß-Gerau, Germany

Fellow/Associate Teacher at Professional School Groß-Gerau, teachfirst.de

2017-2019

- Taught 20 lessons/week in mathematics, German and CS and coached students on their goals for vocational education
- Spoke on digital education in a state teacher training center, 3x in a media agency and for adult education professionals
- Some educational material generated for projects is here

Service.....

Organizer: 2020 Internet Policy Challenge Director at MIT Policy Hackathon, with a challenge sponsored by Ooni and the Berkman-Klein Center; 2017 Merit Foundation Workshop “Machine Learning” at the MPI for Intelligent Systems with focus Fair Representations

Chair: MIT AI Ethics Graduate Group 2021-22, MIT Graduate Student Council Sustainability 2020-21

Editor: Bonn Journal of Economics 2016/17

Service: MIT EECS PhD Admissions 2022, ACM FAccT 2022, ACM EC '20 Digital Volunteer with Y. Gonczarowski, MIT Application Assistance Program

Certificates

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

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

Publications

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

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

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

Presentations

ACM FAccT 2021 Tutorial “Data Externalities” (Video), Beacon Hill Seminar Series, MIT Internet Policy Research Initiative, Harvard EconCS