Andreas Haupt | Curriculum Vitæ

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

Education

Massachusetts Institute of Technology	**Cambridge, MA**
Graduate Program in Social and Engineering Systems	*2019–present*

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), GPA 3.74/4.00 — *2018*
Specialization: Mechanism Design
Thesis: Voting with Limited Communication
Thesis Supervisor: Benny Moldovanu

Rheinische Friedrich-Wilhelms Universität — **Bonn, Germany**
M.Sc. in Mathematics, GPA 3.78/4.00 — *2017*
Specialization: Random Graphs
Thesis: A Data Application of Graphon Theory
Thesis Supervisor: Ngoc Mai Tran

École polytechnique fédérale de Lausanne — **Lausanne, Switzerland**
Graduate Exchange Studies in Applied Mathematics — *2015*

Rheinische Friedrich-Wilhelms Universität — **Bonn, Germany**
B.Sc. in Mathematics — *2014*

Relevant Coursework: Market Design, Industrial Organization 1, Microeconomics, Economics of Information and Technology (MIT), Complexity and Simplicity in Economics (Harvard), graduate Econometrics, Combinatorial Optimization, Approximation Algorithms (Bonn)

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

Full-time Professional Experience

European Commission, Directorate General for Competition — **Brussels, Belgium**
Atypical Trainee — *Spring 2021*
○ Will conduct research for antitrust cases on platforms and the data economy.

Teach First Deutschland — **Groß-Gerau, Germany**
Fellow at Berufliche Schulen 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
○ Founded project "Deine Bildung – Dein Film" for >85 students and >20 student-produced educational videos

Office of 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 commitee work (digital, NSA)
○ Built a web scraper for the download of relevant legislation, saving 20min/week for the other members of the office

Work

○ Explaining Mechanisms, available here

- Selling Prediction Algorithms, available here, follow-up work with D. Bergemann, A. Smolin, A. Bonatti in preparation.
- Informational Interventions in Mechanisms and Conjectural Equilibrium, with Z. Hitzig, available upon request
- Driver Multi-Homing Incentives: The Case of Grab and Gojek, with X. Guo, H. Zhang, in preparation

Volunteering

ACM SIGecom   **Virtual**
Tech Volunteer   *2020*
- Prepared 15 videos and posters and 1 session for EC'20
- Proposed Automation of submissions using database interfaces

Data Science for a Social Good   **Berlin, Germany**
Data Ambassador for Start with a Friend, dssg-berlin.org, start-with-a-friend.de   *2018-2019*
- Anonymized data and communicated NGO's data challenges to 18 data scientists at hackathon
- Compiled report on data scientists' findings and helped NGO's CTO to design database interface facilitating automation

Bonn Journal of Economics   **Bonn, Germany**
Editor, bje.uni-bonn.de   *2017*
- Interacted with authors for student journal and prepared the print of two editions of the journal
- Constructed a new author LaTeX template to accelerate the editorial process

Leadership

National Model United Nations   **New York**
Head Delegate, nmun.org   *2017-2019*
- Planned academic preparation (2 weekends) and logistics for 20-person delegation to National Model United Nations
- Won with the delegation an Honorable Mention Delegation award

Bildungsfestival   **Essen**
Scrum Master, bildungsfestival.org   *2018-2019*
- Set up SCRUM in 20+ volunteer organisation for networking event for 100+ students from underserved communities
- Oversee data management of the NGO and ensure GDPR compliance

Skills

Coursera Specializations: Deep Learning (by Andrew Ng), Probabilistic Graphical Models I (by Daphne Koller)

Other Certificates: Kaufman Teaching Certificate (MIT), Microteaching Cohort Fall 2019 (MIT), Project Management Foundations (DGP)

Languages: English (C2) • German (C2) • French (B2)

References

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