Andreas Haupt

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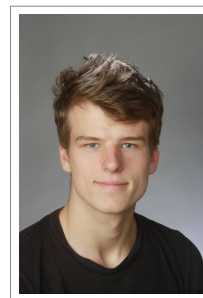
Docendo discimus

Education

2015-	**MSc Economics**, *Rheinische Friedrich-Wilhelms-Universität*, Bonn, GPA 3.9, 90/120 Credits.
	I will look at voting systems with a limited message space for voters.
2015-2017	**MSc Mathematics**, *Rheinische Friedrich-Wilhelms-Universität*, Bonn, GPA 3.9.
	My thesis studied classification of graphs theoretically using the theory of graphons and applied it to neuroscience data. [1] contains results from the thesis.
2012-2014	**BSc Mathematik**, *Rheinische Friedrich-Wilhelms-Universität*, Bonn.
	My thesis studied the integrality gap of the Subtour Elimination Polytope for the special case of the Euclidean Travelling Salesperson Problem.

Work

2017-2019	**Fellow**, *Teach First Deutschland Berlin gGmbH*, Groß-Gerau, at BeruflicheSchulen Groß-Gerau.
	I teach apprentices and junior high students and establish new working groups at the school (Debating, Model United Nations). Among others, I installed a *Github Classroom* for apprentices. I wrote a (German) introduction to Git for my students here. I teach programming in C#.
2-3/2017	**Internship Scientific Assistance**, *Delegate in German Bundestag Marian Wendt*, Berlin, Inner, Digital, NSA.
	I conducted research on subjects of politics of the inner and prepared meetings.

Stipends and certificates

4/2013- 9/2017	**Scholarship**, *Evangelisches Studienwerk*, Villigst. Evangelisches Studienwerk is one of the 13 institutions that grants federal scholarships to students.
02/2018	"Probabilistic Graphical Models: Representation", "Sequence Models" (Coursera, Stanford University)
10/2017	"Neural Networks and Deep Learning", "Improving Neural Networks: Hyperparameter tuning, Regularisation and Optimization", "Structuring Machine Learning Projects" (Coursera, deeplearning.ai).
3/2016- 3/2017	**Mathematisch-Naturwissenschaftliches Kolleg**, *Studienstiftung des Deutschen Volkes*, Bad Honnef, Wittenberg, Nürnberg. In three seminar weeks we tackled problems from theoretical computer science, logics and mathematical puzzles.

Languages

English (C2), French (B2)

Digital

LaTeX (expert), `python`, `pandas`, `keras` (advanced), Version Control (Git, Mercurial), C#, Photoshop, InDesign, Matlab, R (good)

Extracurricular

3/2015- **Editor**, *Bonn Journal of Economics*, Bonn.
3/2016 I helped authors in creating an extended abstract of their thesis for the journal. Furthermore, I created a new LATEX template for it. Here you find an issue I typeset.

References

[1] Andreas Haupt et al. "Classification on Large Networks: A Quantitative Bound via Motifs and Graphons". In: *CoRR* abs/1710.08878 (2017). arXiv: 1710.08878. URL: http://arxiv.org/abs/1710.08878.

Invited talks

11/2017 **Organiser**, *MLworkshopVilligst*, Tübingen.
I organised a workshop on the theory and practice of machine learning at Tübingen

9/2017 **Speaker**, *Workshop* Intelligent Machines, Schwerte.
I lead a workshop on recommender systems.

Frankfurt, February 16, 2018