

Education

Massachusetts Institute of Technology <i>Ph.D. in Social and Engineering Systems</i>	Cambridge, MA <i>expected 2023</i>
Goethe-Universität <i>Bachelor of Science in Computer Science</i>	Frankfurt, Germany <i>2019</i>
Rheinische Friedrich-Wilhelms Universität <i>Master of Science in Economics</i> <i>Master of Science in Mathematics</i> <i>Bachelor of Science in Mathematics</i>	Bonn, Germany <i>2018</i> <i>2017</i> <i>2014</i>

Relevant Coursework: Machine Learning, Stochastic Analysis Sequence, Approximation Algorithms

Fellowships: Ev. Studienwerk Full Scholarship (for studies in Bonn), Presidential Fellowship (for AY 2019 at MIT)

GPA Economics (Graduate): 3.74/4.00 (distinction) **GPA Mathematics (Graduate):** 3.78/4.00

Full-time Professional Experience

Teach First Deutschland <i>Fellow at Berufliche Schulen Groß-Gerau, teachfirst.de</i>	Groß-Gerau, Germany <i>2017-2019</i>
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- Taught 20 lessons/week in mathematics, German and computer science and coached students on their goals for VET
- Spoke on digital education in a state teacher training center, 3x in a media agency and for adult education professionals
- Founded media pedagogy project “Deine Bildung – Dein Film” for >85 students and >20 student-produced educational videos

Office of Member of German National Parliament <i>Research Assistant in the office of Marian Wendt, marian-wendt.de</i>	Berlin, Germany <i>Spring 2017</i>
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- Researched and wrote summaries on digital and homeland policy issues to support committee work (digital, NSA, homeland)
- Built a web scraper for the download of relevant legislation, saving 20min/week for the other members of the office

Volunteering

Data Science for a Social Good <i>Data Ambassador for Start with a Friend, dssg-berlin.org, start-with-a-friend.de</i>	Berlin, Germany <i>2018-2019</i>
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- Anonymized dataset and communicated NGO's data challenges to 18 data scientists at hackathon, compiled report on findings
- Compiled report on data scientists' findings and helped NGO's CTO to devise new database interface optimized for automation

MLworkshopVilligst <i>Organiser, mlworkshopvilligst.wordpress.com</i>	Tübingen, Germany <i>2017</i>
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- Organised interdisciplinary machine learning workshop for 15 students with 4 speakers from MPI-IS, 1 from Columbia
- Guided all participants in their search for a presentation topic and on how to write-up their talk as a blog post

Leadership

National Model United Nations <i>Head Delegate, nmun.org</i>	New York <i>2017-2019</i>
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- Planned academic preparation and logistics for 20-person delegation that won an Honorable Mention Delegation award

Bildungsfestival <i>Scrum Master, bildungsfestival.org</i>	Essen <i>2018-2019</i>
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- Set up SCRUM in 20+ volunteer organisation for networking event for 100+ students from underserved communities
- Facilitated sprint meetings and compiled overview of sprint logs' timing which is used for management of the 2020 edition

Skills

General: Mathematical Maturity • Scientific Writing • Data Exploration • Instruction Design • Presenting

Tools: python • pandas • sklearn • keras • C++ • SQL • git • \LaTeX • Jekyll • Sketch • Adobe InDesign

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

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