

Alexander Martin Mussnug

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ACADEMIC INTERESTS

Areas of Specialization: philosophy of science, AI Ethics

Areas of Interest: ethics, philosophy of technology, machine learning, technology and science policy

EDUCATION

University of Edinburgh <i>PhD in Philosophy at the Centre of Technomoral Futures, Edinburgh Futures Institute</i>	Edinburgh (UK) Expected 2025
Duke University <i>MA in Bioethics, Tech Ethics and Science Policy</i>	Durham (USA) 2020
University of Konstanz <i>Bachelor of Science in Economics and Business Administration</i>	Konstanz (DE) 2018
University of North Carolina at Chapel Hill <i>Exchange studies</i>	Chapel Hill (USA) 2017

PRESENTATIONS

6. Society for Philosophy of Science in Practice Ninth Biennial Conference, July 2022
"The Predictive Reframing of Supervised Machine Learning Applications"
5. Measurement at the Crossroads, June 2022
"The Predictive Reframing of Supervised Machine Learning Applications"
4. Workshop on Bias and Discrimination in Algorithmic Decision-Making, October 2021
"Good Predictions and Bad Measurements"
3. Biennial Conference of the European Philosophy of Science Association, September 2021
"Measurement and Machine Learning"
2. The Society for Philosophy and Technology Conference – Technological Imaginaries, June 2021
"How Machine Learning "Measures" and What We Can Learn From It"
1. Boston University Graduate Student Philosophy Conference, April 2021
"How Machine Learning "Measures" and What We Can Learn From It"

AWARDS AND GRANTS

Baillie Gifford PhD Studentship in AI/Data Ethics

Duke Science and Society Leadership Award 2019

Fulbright Grant for graduate studies on the implications of data technologies

Dean's Research Award 2020/2021

BW/UNC Exchange Grant

UNC-Chapel Hill Dean's List

TEACHING EXPERIENCE

University of Edinburgh

Graduate Tutor

Morality and Value

Logic 1

Duke University

Graduate Teaching Assistant

Ethical and Legal Issues of Data Analytics

PROFESSIONAL EXPERIENCE

ZF Friedrichshafen

Big Data Engineer

Friedrichshafen (DE)

2019

Zurich Cantonal Bank

Big Data Analytics Administrator

Zurich (CH)

2018

Migros

Intern, Hadoop Data Administration

Zurich (CH)

Feb 2018 – Jul 2018

LEADERSHIP & COMMUNITY ENGAGEMENT

Big Ethics

- Founded non-profit to engage students on the social and ethical implications of artificial intelligence and big data

Political Engagement

- Contested and engaged in university and local, and national politics (including internship at the Bundestag)

SKILLS & LANGUAGE

Language: German (native), English (near-native – TOEFL 116), French (excellent command – C1), Spanish (good command – B2)

Programming: Python, Java, SAS, SQL, Bash scripting, JavaScript, TypeScript

Technologies: Anaconda, Apache Hadoop (incl. Spark, Storm), NoSQL, TensorFlow, Data Mining (RapidMiner, Orange), SAS Analytics Tools, SAS Environment Manager, Microsoft SQL Server MS, Unix, Windows Administration, Apache Maven, MID Innovator, Atlassian Tools, CMS (TYPO3, WordPress)