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Curriculum Vitae  
**Valeria Zahoransky**

Doctoral Researcher  
University of Luxembourg, Department of Computer Science  
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## Education

- 10/2019 - 09/2020 **M.Sc. Mathematics and Foundations of Computer Science**,  
University of Oxford, United Kingdom  
Thesis title: *Partial Order Games*
- 10/2017-09/2019 **B.Sc. Computer Science**,  
Free University Berlin, Germany  
Thesis title: *Modelling the US Constitution in HOL - On establishing a dictatorship with Gödel*
- 09/2015-09/2016 **Exchange**,  
University of Tsukuba, Japan  
Scholar of the German Academic Exchange Service
- 09/2012-09/2017 **B.Sc. Mathematics**,  
Free University Berlin, Germany  
Thesis title: *On the existence of nonvanishing vector fields on manifolds of Euler characteristic zero*
- Winter term 2011/12 **B.A. Japanese Studies** (major) and **Philosophy** (minor),  
Ludwig-Maximilians-University Munich, Germany

## Working experience

- Since 11/2020 **Doctoral Researcher**,  
Individual and Collective Reasoning Group,  
Department of Computer Science, University of Luxembourg, Luxembourg  
Research project focuses on formal methods for explainable AI  
Part of the **INDIGO** project
- 10/2018-03/2019 **Teaching Assistant**,  
Department of Computer Science, Free University Berlin, Germany
- 06/2017-09/2018 **Working Student**,  
HARTING Technology Group  
Tasks:
  - Data analysis using Python and Neo4j
  - Continuous integration of MS Azure Cloud Services

## Extracurriculars

- 2019-2020 **Graduate Committee Member**,  
Department of Computer Science, University of Oxford, United Kingdom

2013-2017

**Faculty Council Member,**  
Department of Mathematics, Free University Berlin, Germany

## Publications

- [1] Valeria Zahoransky and Christoph Benzmüller. Modelling the us constitution to establish constitutional dictatorship. In Giovanni Casini, Luigi Di Caro, Guido Governatori, Valentina Leone, and Réka Markovich, editors, *Mining and REasoning with Legal texts*, volume 2632 of *CEUR Workshop Proceedings*, Aachen, 2020
- [2] Christoph Benzmüller, Ali Farjami, David Fuenmayor, Paul Meder, Xavier Parent, Alexander Steen, Leendert van der Torre, and Valeria Zahoransky. Logikey workbench: Deontic logics, logic combinations and expressive ethical and legal reasoning (isabelle/hol dataset). *Data in brief*, (106409):1–15, 2020