Ninell Eva Maria Oldenburg

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EDUCATION

2021 - 2023	**University of Copenhagen, DK**	
	M.Sc. IT & Cognition	(GPA: 4.0)
	Focus: ML, AI Ethics	
2022	**The Hong Kong University of Science and Technology, HK**	
	Exchange: Philosophy & Economics	(GPA: 3.6)
	Focus: Game Theory, Microeconomics	
2017 - 2020	**University of Potsdam, DE**	
	B.Sc. Computational Linguistics	(GPA: 3.0)
	Focus: Semantics, Theory of Computer Science	
2018 - 2019	**The University of Trento, IT**	
	Exchange: Human-Computer-Interaction	(GPA: 3.9)
	Focus: Data Science, Italian Language	

ACADEMIC WORK EXPERIENCE

Research Fellow, Principles of Intelligent Behavior in Biological and Social Systems June 2023 - Sep 2023

Investigating and modeling social norm learning and sustenance in a structured, Bayesian, symbolic way
using the DeepMind Melting Pot environment. *Mentor: Tan Zhi-Xuan (M.I.T.).*

Visiting Graduate Research Assistant, M.I.T., Cambridge, MA, U.S. Feb 2023 - Jun 2023

Building a Bayesian model for symbolic norm learning in a rich multi-agent environment (Python, Lua).
Supervisors: Tan Zhi-Xuan (Ph.D. candidate), Dr. Nora Hollenstein (Ass. Prof).

Private Computer Science Tutor, Hong Kong, HK Sep 2022 - Dec 2022

Advising undergrads in C++-

Cause Area Specialist, Effective Altruism Denmark, DK Jul 2022 - Jan 2023

A lot of studying current topics in AI alignment and AI governance, incl. leading a reading group;
Some coaching for people who want to get into the field.

Graduate Research Assistant, IT University Copenhagen, DK Oct 2021 - Dec 2022

Study on the state of the art of bias research in NLP.
Supervisor: Prof. Barbara Plank.

Virtual Infrastructure Member, ACL Conference, Online Jun - Jul 2020

Volunteered as a software engineer before and during the conference.

Undergraduate Research Assistant, University of Dramatic Art, Berlin, DE Sep 2019 - Feb 2020

Developed an end-to-end system for Computer-Aided Pronunciation.
Supervisors: Prof. Andree Gubisch (Speech Training), Prof. David Schlangen (Computational Linguistics).

Software Engineering Intern, German Research Center for AI, Berlin, DE May - Aug 2017

Developed a multi-modal scheduling app (mostly JavaScript, HTML, CSS).
Supervisor: Dr. Kinga Schumacher.

PUBLICATIONS

Oldenburg, N. & Zhi-Xuan, T. (2023). Making Learning Visible: Symbolic Bayesian Norm Learning and Sustancance in Complex Multi-Agent Environments. [*Working Paper.*]

Oldenburg, N. & Plank, B. (2023). Yet Another Social Bias: A Diachronic Meta-Study of Bias and Fairness in the Natural Language Processing Literature. [*Under review.*]

Projects

Irony Detection in Twitter Users (PAN Shared Task)   [Paper on GitHub](#)

Can we predict irony users by using the sentiment, topic analysis, and lexical features of their tweets?
Supervisors: Prof. Patrizia Paggio, Dr. Manex Aguirrezabal Zabaleta (Ass. Prof).

Music Emotion Regression Analysis of Audio Features & Lyrics   [Paper on Arxiv](#)

What predicts the sentiment of songs better: lyrics or audio features?
Supervisors: Prof. Patrizia Paggio, Prof. Costanza Navaretta.

Facilitator for the Horizon Fellowship by Effective Altruism Hong Kong   [Horizon Fellowship](#)

Introducing concepts of risks from A.I.

Founder of the A.I. Safety Reading Group, Berkeley, CA, U.S.   [Link to EA Forum Post](#)

8-week reading group on A.I. risks with 20 participants.

Non-Academic Work Experience

Email Marketing Student Assistant, SOUNDBOKS, Copenhagen, DK   Oct 2021 - Jun 2022

Hold the end-to-end ownership of the email marketing strategy and all email needs (planning, creation, tracking, and data analysis); guided the English and German copywriting and localization.

Associate Linguist, Google Germany (via Adecco), Hamburg, DE   Aug 2020 - Aug 2021

Developed, maintained, and improved the Google Assistant by resolving bugs, creating, reviewing, and annotating linguistic data, and training and evaluating the ML systems. Also advised new colleagues.

Integration Mentor, Huckepack e.V., Berlin, DE   Sep 2016 - Sep 2018

Volunteered as mental health and integration mentor for social and school activities for a refugee teenager.

Honours & Awards

2022	**FTX Future Fund Regrantee** ($7,500) for an AI Safety Reading Group
2022	**FTX Future Fund Regrantee** ($10,600) for Personal Development
2018	**Erasmus+ Study Grant** ($3,600) for an exchange at the University of Trento, Italy

(Progamming) Languages

Programming	**Python** (Incl. SciPy, NLTK, Pandas; learning: Huggingface, some PyTorch), **C++, Lua** (each ca. 200h), **HTML**, **CSS**, **JavaScript**, **Java** (each ca. 100h)
Languages	**German** (native), **English** (fluent), **Italian**, **French**, **Danish** (intermediate)

Miscellaneous

Journalism	Writer & Editor (2016 - 2020)	[Kiez und Kneipe](#), Berlin
	Youth Journalist (2010 - 2014)	[Märkische Oderzeitung](#), Frankfurt (Oder)
Blogging	12 Months at 12 Places (2020 - 2021)	[Zwoelfmaldeutschland](#), Germany
	Books (2015 - 2017)	[Yet Another Bookreview](#)