

# Ninell Eva Maria Oldenburg



## EDUCATION

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2021 - present	<b>University of Copenhagen, DK</b> M.Sc. IT & Cognition <i>Focus: ML, Data Science, AI Ethics</i>	(current GPA: 4.0)
2022 - 2023	<b>The Hong Kong University of Science and Technology, HK</b> Exchange: Philosophy & Economics <i>Focus: Public Policy, Ethics, Game Theory</i>	(no grades yet)
2017 - 2020	<b>University of Potsdam, DE</b> B.Sc. Computational Linguistics <i>Focus: Semantics, Classical CL Techniques, Theory of Computer Science, C++</i>	(GPA: 3.0)
2018 - 2019	<b>The University of Trento, IT</b> Exchange: Human-Computer-Interaction <i>Focus: Big Data Science, Italian Language</i>	(GPA: 3.9)

## ACADEMIC WORK EXPERIENCE

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Forthcoming:	<b>Visiting Graduate Research Assistant, M.I.T., Cambridge, MA, US</b>	Feb 2023 - Jun 2023
Building a probabilistic model for human value extraction from legal contracts and testing it in a multi-agent setting with a possible extension towards a fiduciary agent relationship. <i>Supervisor: Tan Zhi-Xuan.</i>		
	<b>Private Computer Science Tutor, Hong Kong, HK</b>	Sep 2022 - present
Advising an undergraduate student in C++, revising algorithm concepts and developing assignment solutions.		
	<b>Cause Area Specialist, Effective Altruism Denmark, DK</b>	Jul 2022 - present
Investigating current topics in AI Safety by examining papers and discussing them with the global research community. Advising and coaching Danish early career individuals and promising students.		
	<b>Graduate Research Assistant, IT University Copenhagen, DK</b>	Oct 2021 - present
Diagnosed the state of the art of bias research in Natural Language Processing. Examined 320 papers quantitatively and qualitatively and created a classification of the dimensions of interest. <i>Supervisor: Prof. Barbara Plank.</i>		
	<b>Virtual Infrastructure Member, ACL Conference, Online</b>	Jun - Jul 2020
Held a volunteer position as a software engineer for meeting link creation and handled programming duties incl. back-end design (mostly Python) before and during the conference.		
	<b>Undergraduate Research Assistant, University of Dramatic Art, Berlin, DE</b>	Sep 2019 - Feb 2020
Developed an end-to-end system for Computer-Aided Pronunciation Training: concept, design, and back-end (Praat API, Python). <i>Supervisors: Prof. Andree Gubisch (Speech Training), Prof. David Schlangen (Computational Linguistics).</i>		
	<b>Software Engineering Intern, German Research Center for AI, Berlin, DE</b>	May - Aug 2017
Developed a multi-modal web application for making calendar entries in the department of intelligent user interfaces in JavaScript, HTML, CSS, and the Apache Cordova solution. <i>Supervisor: Dr. Kinga Schumacher.</i>		

## PUBLICATIONS

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**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

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<b>Irony Detection in Twitter Users (PAN Shared Task)</b>	<a href="#">Paper on GitHub</a>
Classification of users based on lexical & sentiment features, and the contrast herein along with TF-IDF and topic models using Pandas, PyTorch, & NLTK. Title: "Profiling Irony & Stereotype: Exploring Sentiment, Topic, and Lexical Features (PAN Shared Task 2022)". <i>Supervisors: Prof. Patrizia Paggio, Dr. Manex Aguirrezabal Zabaleta (Ass. Prof).</i>	

## Music Emotion Regression Analysis of Audio Features & Lyrics

[Paper on GitHub](#)

Tested uni- vs. multi-modal approaches for music emotion recognition on audio features and lyrics sentiment to predict valence and arousal scores with different regression models. Title: "Multi-Modality in Music: Predicting Emotion in Music from High-Level Audio Features and Lyrics". *Supervisors: Prof. Patrizia Paggio, Prof. Costanza Navaretta.*

## OUTREACH

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### Facilitator for the Horizon Fellowship by Effective Altruism Hong Kong

[Horizon Fellowship](#)

Leading and directing discussions for students and professionals introducing concepts and frameworks of effective altruism, longtermism, and risks from AI.

### Founder of the AI Safety Fellowship Reading Group, Berkeley, CA, U.S.

[Link to EA Forum Post](#)

Organized an 8-week fellowship reading group for an *AI Safety Fundamentals Course* (by Effective Altruism Cambridge) with 20 participants.

## NON-ACADEMIC WORK EXPERIENCE

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### 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) and 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.

## TALKS & PRESENTATIONS

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2021 **Talk about Formal Language Theory** for Master's students at the University of Copenhagen

2021 **Talk about Formal Language Theory** at Google-intern "Room For Improvement"-Sessions

2019 **Invited System Demonstration** of a Self-Developed Tool for Computer-Aided Pronunciation Training, University of Dramatic Art, Berlin

## HONOURS & AWARDS

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2022 **FTX Future Fund Re grantee** (\$7,500) for an AI Safety Reading Group

2022 **FTX Future Fund Re grantee** (\$10,600) for Personal Development

2022 **Scouts and Novices Mentee** with mentor Marius Hobbhahn (AI safety researcher & Ph.D. candidate)

2018 **Erasmus+ Study Grant** (\$3,600) for an exchange at the University of Trento, Italy

## SKILLS

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

## MISCELLANEOUS

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**Journalism** Writer & Editor (2016 - 2020)

Youth Journalist (2010 - 2014)

**Blogging** 12 Months at 12 Places (2020 - 2021)

Books (2015 - 2017)

[Kiez und Kneipe](#), Berlin

[Märkische Oderzeitung](#), Frankfurt (Oder)

[Zwoelfmaldeutschland](#), Germany

[Yet Another Bookreview](#)