

Ninell Eva Maria Oldenburg



EDUCATION

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

ACADEMIC WORK EXPERIENCE

Visiting Graduate Research Assistant, M.I.T., Cambridge, MA, US	Feb 2023 - Jun 2023
Building a symbolic reinforcement learning system to test how normative equilibria can be learned and sustained in complex multi-agent settings. <i>Supervisor: Dr. Nora Hollenstein (Ass. Prof), Tan Zhi-Xuan (Ph.D. candidate).</i>	
Private Computer Science Tutor, Hong Kong, HK	Sep 2022 - Dec 2022
Advising an undergraduate student in C++, revising algorithm concepts and developing assignment solutions.	
Cause Area Specialist, Effective Altruism Denmark, DK	Jul 2022 - Jan 2023
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.	
Graduate Research Assistant, IT University Copenhagen, DK	Oct 2021 - Dec 2022
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>	
Virtual Infrastructure Member, ACL Conference, Online	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.	
Undergraduate Research Assistant, University of Dramatic Art, Berlin, DE	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>	
Software Engineering Intern, German Research Center for AI, Berlin, DE	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

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
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

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

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

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

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

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

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](#)