

Ninell Oldenburg



Education

- 2024 - current **PhD Philosophy of AI**, University of Copenhagen
Supervisor: Anders Søgaard
AOS: Philosophy of Technology, Critical AI Studies
AOC: Computer Science, Ethics, Feminist Epistemology, Philosophy of Intelligence
Affiliations: Pioneer Center for AI, DK; MINT Lab, AU
- 2021 - 2023 **MSc IT & Cognition**, University of Copenhagen & Hong Kong University of Science and Technology
Focus: Machine Learning, AI Ethics
- 2017 - 2020 **BSc Computational Linguistics**, University of Potsdam & University of Trento
Focus: Theory of Computer Science, Formal Semantics

Academic Experience

- Research Visitor, Leverhulme Centre for the Future of Intelligence, University of Cambridge, UK** Oct - Dec 2025
Mentor: Dr. Apolline Taillandier.
- Research Visitor, AI & Humanity Lab, Hong Kong University, HK** Jan - Feb 2025
Mentor: Prof. Rachel Sterken.
- Research Fellow, PIBBSS Summer Research Fellowship, Oxford, UK/Prague, CZ** Jun 2023 - Sep 2023
Modeled an environment for learning and sustaining normative systems in multi-agent Markov games via Bayesian rule induction. *Mentor: Tan Zhi-Xuan (MIT).*
- Visiting Graduate Research Assistant, MIT, Cambridge, US / Remote** Feb 2023 - Jun 2023
Bayesian multi-agent modelling for symbolic norm learning.
Supervisors: Tan Zhi-Xuan (MIT), Dr. Nora Hollenstein (University of Copenhagen).
- Graduate Research Assistant, IT University Copenhagen, DK** Oct 2021 - Dec 2022
Meta-study on the state of the art of bias research in NLP.
Supervisor: Prof. Barbara Plank (LMU Munich/IT University Copenhagen).
- Undergraduate Research Assistant, University of Dramatic Art, Berlin, DE** Sep 2019 - Feb 2020
End-to-end system for computer-aided pronunciation training.
Supervisors: Prof. Andree Gubisch (University of Dramatic Art), Prof. David Schlangen (University of Potsdam).
- Software Engineering Intern, German Research Center for AI, Berlin, DE** May - Aug 2017
Multi-modal scheduling app. *Supervisor: Dr. Kinga Schumacher (DFKI).*

Publications

- Ninell Oldenburg**, Ruchira Dhar and Anders Søgaard. 2025. *Realist and Pluralist Conceptions of Intelligence*. (Under review).
- Iwan Williams, **Ninell Oldenburg**, Ruchira Dhar, Joshua Hatherley, Constanza Fierro, Nina Rajcic, Sandrine R. Schiller, Filippou Stamatiou, and Anders Søgaard. 2025. *Mechanistic Interpretability Needs Philosophy*. (Under review).
- Ruchira Dhar, **Ninell Oldenburg**, and Anders Søgaard. 2025. Measure Generality, Not Intelligence. (Under review).
- Ninell Oldenburg** & Gleb Papishev. 2025. *The Stories We Govern By: AI, Risk, and the Power of Imaginaries*. The 8th AAAI/ACM Conference on AI, Ethics, and Society. Madrid, Spain.
- Ruchira Dhar, Stephanie Brandl, **Ninell Oldenburg**, and Anders Søgaard. 2025. *Beyond Technocratic XAI: The Who, What & How in Explanation Design*. The 8th AAAI/ACM Conference on AI, Ethics, and Society. Madrid, Spain.
- Ninell Oldenburg** and Anders Søgaard. 2025. *Navigating the Informativeness-Compression Trade-Off in XAI*. AI & Ethics.
- Ninell Oldenburg** and Tan Zhi-Xuan. 2024. *Learning and Sustaining Shared Normative Systems via Bayesian Rule Induction in Markov Games*. In Proceedings of the 23rd International Conference on Autonomous Agents and Multiagent Systems (AAMAS).

Talks

- Do Scaling Laws Suggest Universal Intelligence? Examining Philosophical Assumptions of AI Evaluations..* Artificial Intelligence and New Human-Technology Relations as a Challenge for the Philosophy of Science Workshop. University of Münster. 2025.

Philosophical Commitments to LLM Evaluations: The Problem of Moving Goalposts and Observational Relativity. AI & Humanity Lab Hong Kong, Seminar Series 2025.

The Completeness Problem: Beyond Human Metrics in Assessing Cognitive Systems. 4th Advanced Course on Artificial Intelligence & Neuroscience 2024.

Navigating the Informativeness-Compression Trade-Off in Explainability. International Association for Computing and Philosophy (IACAP) 2024 Conference.

Teaching/Mentoring

Research Mentor at Lumiere Education Mentoring high school students to get their first research experiences.	May - Oct 2025
Lecturer “Datamining”, University of Copenhagen, DK Master’s Level Language Processing and AI Ethics	Apr - May 2025
Lecturer “Empirical Methods and Theory of Science”, University of Copenhagen, DK Bachelor’s Level Statistics	Oct 2024 - Nov 2024
TA “Introduction to Computer Science”, Hong Kong University of Science and Technology, HK Bachelor’s Level C++	Sep 2022 - Dec 2022

Honours, Awards, & Summer Schools

2025	German Academic Scholarship Foundation Scholar (Stipendiatin der Studienstiftung des deutschen Volkes)
2024	Philosophy of AI Summer School , University of London, Paris
2024	ABC Summer School “Neuro-AI: Understanding computation in mind and brain” , University of Amsterdam
2023	Training for Good EU Tech Policy Fellowship : \$9,000 (declined)
2022	FTX Future Fund Grant for an AI Reading Group Berkeley, CA & AI Self-Study : \$17,500
2019	31st European Summer School for Language, Logic, and Information (ESSLLI) : Travel Grant
2018	Erasmus+ Study Grant University of Trento : \$3,600

Media

Is there someone behind the screen? Researchers are divided on AI consciousness. ScienceNordic ([Danish Version](#) on Videnskab.dk). 2025.

Non-Academic Experience

Tour Guide, Copenhagen Food Tours, Copenhagen, DK	Jun 2025 - current
Email Marketing Student Assistant, SOUNDBOKS, Copenhagen, DK End-to-end ownership of the email marketing strategy and all email needs.	Oct 2021 - Jun 2022
Associate Linguist, Google Germany (via Adecco), Hamburg, DE Natural language generation & understanding for the Google Assistant.	Aug 2020 - Aug 2021
Integration Mentor, Huckepack e.V., Berlin, DE Mental health and integration mentor for a refugee teenager.	Sep 2016 - Sep 2018

Miscellaneous

Programming Languages	Python (incl. NLTK, SciPy), C++, Lua, JavaScript, Java
Journalism	German (native), English (fluent), Italian, French, Danish (intermediate)
Blogging	Writer & Editor (2016 - 2020) Youth Journalist (2010 - 2014) 12 Months at 12 Places (2020 - 2021) Books (2015 - 2017)
	Kiez und Kneipe , Berlin Märkische Oderzeitung , Frankfurt (Oder) Zwoelfmaldeutschland , Germany Yet Another Bookreview