

# Antonia Karamolegkou

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## EDUCATION

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- Postdoc researcher** | **Copenhagen University** Sept 2025 – Dec 2025  
*Sociotechnical AI, Safety, Trustworthiness*  
  - MS and PhD student supervision, teaching 30 ECTS
- PhD fellow** | **Copenhagen University** Jun 2022 – Aug 2025  
*Multimodal Language Models, Policy, Trustworthiness, Fairness*  
  - Novo Nordisk foundation data science grant and Onassis foundation scholarship
  - Highlights: teaching, BS and MS student supervision, research visit at Stanford University
- Master student** | **Uppsala University** Sept 2019 – Jun 2021  
*Language Technology and Machine Learning* *Masters with distinction*  
  - Onassis foundation scholarship
  - Thesis: Argument Mining in Sustainable Development Goals
- Student** | **Deree – The American College of Greece** Sept 2018 – Jun 2019  
*Data Science courses* *Major GPA: 4/4*  
  - Stavros Niarchos Foundation Scholarship
- Bachelor's student** | **National and Kapodistrian University of Athens** Sept 2014 – Jun 2018  
*Philology, Linguistics, Computational Linguistics* *Grade: 9.35/10*  
  - DAAD scholarship exchange program - Ludwig Maximilians University of Munich
  - Thesis: Automatic Sentiment Classification in Hotel Reviews

## WORK EXPERIENCE

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- Postdoc Engineer** | *Centre Inria de Sorbonne Université, Paris* Nov 2025–current  
  - Building open-source datasets for low-resource settings
  - Optimizing language models for document processing
- Software Engineer** | *NeuroPublic - AlphaBank* Jun 2021–Jun 2022  
  - Web and application maintenance and development
  - Data analysis and engineering
- Research Assistant** | *Athena Research Center for Language and Speech Processing* Feb 2021–Jun 2021  
  - Provided solutions for Speech Processing and Conversational Dialogue Systems
  - Design, debugging, evaluation recommendation system and classification models
- Student Research Assistant** | *Uppsala University* Feb 2020–Feb 2021  
  - Data validation, pre-processing, and visualization
  - Transcription and statistical analysis on ciphertxts
- Research Assistant** | *Academy of Athens-Research Center* Jan 2018–Sept 2019  
  - Data collection and pre-processing
  - Statistical reports and data analysis

## PROFESSIONAL REFERENCES

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### Anne Lauscher

*Associate Professor of Data Science, University of Hamburg*

[anne.lauscher@uni-hamburg.de](mailto:anne.lauscher@uni-hamburg.de)

- Collaborator on multilingual NLP and ethics projects

### Anders Søgaard

*Professor in NLP and ML, University of Copenhagen*

[soegaard@hum.ku.dk](mailto:soegaard@hum.ku.dk)

- Main PhD supervisor; affiliated with DIKU, Philosophy, Pioneer Centre, and SODAS

## SKILLS

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Greek L1, English C2, French C2, Spanish B2, Swedish A2, Python, JavaScript, R, Matlab, SQL, HTML/CSS, Git, Bash

## PARTICIPATIONS

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Kastellorizo Puzzle Festival | *Greece* October 2025  
ACL, The 63rd Annual Meeting of the Association for Computational Linguistics | *Vienna* July 2025  
IOAI, International Olympiad in AI, Organizer | *Burgas, Bulgaria* Aug 2024  
ACL, The 62nd Annual Meeting of the Association for Computational Linguistics | *Bangkok* Aug 2024  
ICLR, The Twelfth International Conference on Learning Representations | *Vienna* May 2024  
Invited to the seminar: Weights & Biases Copenhagen Meetup | *Google HQ, Copenhagen* May 2024  
Research visit at Stanford University | *Gates B1, Stanford University, Palo Alto* October-December 2023  
AI for Operations & Operations for AI | *Stanford Graduate School of Business, Palo Alto* Nov 2023  
LxMLS, Lisbon Machine Learning School | *Instituto Superior Técnico (IST), Lisbon* Jul 2023  
EACL, The 17th Conference of the Association for Computational Linguistics | *Dubrovnik* May 2023  
Designing Human Technologies 9.0 Workshop | *Trento* Apr 2023  
HumanCLAIM workshop: The Human Perspective on Cross-Lingual AI Models | *Amsterdam* Mar 2023  
HPLT winter school on Large-Scale Language Modeling | *Oslo* Jan 2023  
EMNLP, The 2022 Conference on Empirical Methods in Natural Language Processing | *Abu Dabi* Dec 2022  
Volunteer Web Developer | *Save your Hood, an Environmental Conservation Organization* Jun 2021 - present

## INVITED TALKS

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Inria study group | *Trustworthy Language Models and Societal Impact* December 2025  
European Researcher's Night | *Language Models and their Environmental Impact* September 2025  
ACL Conference Talk | *Evaluating Multimodal Language Models as Visual Assistants for Visually Impaired Users* July 2025  
Diku-bits Talk | *Machines have learned to speak- What are you worried about?* May 2025  
Xanthi Puzzle Festival | *How do dialogue systems work?* April 2025  
Stanford University | *Some Intuitions about Large Language Models* Nov 2024  
GenAI summit | *AI models are as good as the data you feed them* Nov 2024  
NTUA Researchers' Night | *Truth or Bot? How Language Models Play Telephone with Misinformation* Sept 2024  
University of Hamburg | *Socially Aware Language Modeling* May 2024  
Copenhagen Science Slam | *Explaining my research in a fun way* Jun 2023  
Diku-bits Talk | *Mapping brains with language models* Feb 2023  
Kastellorizo Puzzle Festival | *Comparing the Human Brain to Neural Networks* Sept 2022  
SIGTYP Lecture Series | *Joint Lecture in Transfer Language Choice for multilingual models* Sept 2021  
Stand-up Science | *Stand-up comedy for science* Jun 2018 - present

- Angleraud, N., **Karamolegkou, A.**, Sagot, B., & Cl rice, T. (2026). Structure-Aware Text Recognition for Ancient Greek Critical Editions. ICDAR 2026.
- Karamolegkou, A.**, Borah, A., Cho, E., Choudhury, M., Galletti, M., Ghosh, R., & others (2025). NLP for Social Good: A Survey of Challenges, Opportunities, and Responsible Deployment. EACL 2026.
- Karamolegkou, A.**, Vykopal, I., Gregor M, & others (2025). Investigating Language and Retrieval Bias in Multilingual Previously Fact-Checked Claim Detection. EACL 2026.
- Karamolegkou, A.**, Nikandrou, M., Pantazopoulos G., Rust, P., Hershovich, D., & S gaard, A. (2025). Evaluating Language Models as Visual Assistants. ACL. SAC highlight award.
- Karamolegkou, A.**, Hansen, S., Christopoulou, A., Stamatou, F., Lauscher, A., & S gaard, A. (2025). Ethical Concern Identification in NLP: A Corpus of ACL Anthology Ethics Statements. NAACL.
- Karamolegkou, A.**, Rust, P., Cao, Y., Cui, R., Hershovich, D., & S gaard, A. (2024). Vision Language models under Cultural and Inclusive Considerations. HuCLLM@ACL.
- Karamolegkou, A.**, Li, J., Kementchedjhieva, Y., Abdou, M., Lehmann, S., & S gaard, A (2023). Structural Similarities Between Language Models and Neural Response Measurements. In NeurIPS 2023 on Symmetry and Geometry in Neural Representations.
- Karamolegkou, A.**, Abdou, M., & S gaard, A. (2023). Mapping Brains with Language Models: A Survey. In Findings of the Association for Computational Linguistics: ACL.
- Karamolegkou, A.**, Li, J., Zhou, L., & S gaard, A. (2023). Copyright Violations and Large Language Models. EMNLP.
- Zhou, L., **Karamolegkou, A.**, Chen, W., & Hershovich, D. (2023). Cultural Compass: Predicting Transfer Learning Success in Offensive Language Detection with Cultural Features. In Findings of the Association for Computational Linguistics (pp. 12684–12702). ACL.
- Cao, Y., Kementchedjhieva, Y., Cui, R., **Karamolegkou, A.**, Zhou, L., Dare, M., Donatelli, L., & Hershovich, D. (2024). Cultural Adaptation of Recipes. TACL, 12, 80-99.
- Fergadis, A., Pappas, D., **Karamolegkou, A.**, & Papageorgiou, H. (2021). Argumentation Mining in Scientific Literature for Sustainable Development. In Proceedings of the 8th Workshop on Argument Mining (pp. 100–111). Association for Computational Linguistics (ACL).
- Yadav, S., Tilton, L., Maria Antoniak, M., Arnold, T., Li, J., Pawar, S., **Karamolegkou, A.**, Frank, S., An, Z., Rostamzadeh, N., Hershovich, D., Belongie, S., & Shutova, E. (2025). Cultural Evaluations of Vision-Language Models Have a Lot to Learn from Cultural Theory. Under Review.