

Antonia Karamolegkou

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EDUCATION

Copenhagen University <i>PhD in Natural Language Processing and Machine Learning</i> <ul style="list-style-type: none">Multimodal Language Models, Computational Social Science, Trustworthy AI	June 2022 – August 2025
Uppsala University <i>Master's Degree in Language Technology</i> <ul style="list-style-type: none">Onassis foundation scholarshipThesis: Argument Mining in Sustainable Development Goals	Sept 2019 – Jun 2021 <i>Masters with distinction</i>
Deree – The American College of Greece <i>Data Science courses</i> <ul style="list-style-type: none">Stavros Niarchos Foundation Scholarship	Sept 2018 – Jun 2019 <i>Major GPA: 4/4</i>
National and Kapodistrian University of Athens <i>Bachelor's Degree in Linguistics</i> <ul style="list-style-type: none">DAAD scholarship exchange program - Ludwig Maximilians University of MunichThesis: Sentiment Analysis as an NLP tool	Sept 2014 – Jun 2018 <i>Grade: 9.35/10</i>

SKILLS

Greek (L1), English (C2), French (C2), Spanish (B2), Python, Javascript, R, Matlab, SQL, HTML/CSS, Bash, L^AT_EX

EXPERIENCE

Software and Data Engineer <i>NeuroPublic - AlphaBank</i> <ul style="list-style-type: none">Web and application maintenance and developmentData analysis and engineering	Jun 2021–Jun 2022
Research Assistant <i>Athena Research Center for Language and Speech Processing</i> <ul style="list-style-type: none">Provided solutions for Speech Processing and Conversational Dialogue Systems.Design, debugging, evaluation recommendation system and classification models	Feb 2021–Jun 2021
Student Research Assistant <i>Uppsala University</i> <ul style="list-style-type: none">Data validation, pre-processing, and visualizationTranscription and statistical analysis on ciphertexts	Feb 2020–Feb 2021
Research Assistant <i>Academy of Athens-Research Center</i> <ul style="list-style-type: none">Data collection and pre-processingStatistical reports and data analysis	Jan 2018–Sept 2019

PARTICIPATIONS (IN PERSON)

ACL, The 62nd Annual Meeting of the Association for Computational Linguistics <i>Bangkok</i>	Aug 2024
ICLR, The Twelfth International Conference on Learning Representations <i>Vienna</i>	May 2024
Invited to the seminar: Weights & Biases Copenhagen Meetup <i>Google HQ, Copenhagen</i>	May 2024
Invited to the talk: Some Intuitions about Large Language Models <i>Gates B1, Stanford University, Palo Alto</i>	Nov 2023
AI for Operations & Operations for AI <i>Stanford Graduate School of Business, Palo Alto</i>	Nov 2023
LxMLS, Lisbon Machine Learning School <i>Instituto Superior Técnico (IST), Lisbon</i>	Jul 2023
EACL, The 17th Conference of the Association for Computational Linguistics <i>Dubrovnik</i>	May 2023
HumanCLAIM workshop: The Human Perspective on Cross-Lingual AI Models <i>Amsterdam</i>	Mar 2023
HPLT winter school on Large-Scale Language Modeling <i>Oslo</i>	Jan 2023
Volunteer Web Developer <i>Save your Hood, an Environmental Conservation Organization</i>	Jun 2021 - present

INVITED TALKS

Diku-bits Talk <i>Machines have learned to speak- What are you worried about?</i>	May 2025
GenAI summit <i>AI models are as good as the data you feed them</i>	Nov 2024
NTUA Researchers' Night <i>Truth or Bot? How Language Models Play Telephone with Misinformation</i>	Sept 2024
University of Hamburg <i>Socially Aware Language Modeling</i>	May 2024
Copenhagen Science Slam <i>Explaining my research in a fun way</i>	Jun 2023
Diku-bits Talk <i>Mapping brains with language models</i>	Feb 2023
Kastellorizo Puzzle Festival <i>Comparing the Human Brain to Neural Networks</i>	Sept 2022
SIGTYP Lecture Series <i>Joint Lecture in Transfer Language Choice for multilingual models</i>	Sept 2021
Stand-up Science <i>Stand-up comedy for science</i>	Jun 2018 - present

SELECTED PUBLICATIONS

- 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. Under Review.
- Yadav, S., Tilton, L., Maria Antoniak, M., Arnold, T., Li, J., Pawar, S., **Karamolegkou, A.**, Frank, S., An, Z., Rostamzadeh, N., Hershcovich, D., Belongie, S., & Shutova, E. (2025). Cultural Evaluations of Vision-Language Models Have a Lot to Learn from Cultural Theory. Under Review.
- Karamolegkou, A.**, Nikandrou, M., Pantazopoulos G., Rust, P., Hershcovich, D., & Søgaaard, A. (2024). Evaluating Language Models as Visual Assistants. Association for Computational Linguistics (ACL).
- Karamolegkou, A.**, Hansen, S., Christopoulou, A., Stamatiou, F., Lauscher, A., & Søgaaard, A. (2025). Ethical Concern Identification in NLP: A Corpus of ACL Anthology Ethics Statements. NAACL.
- Karamolegkou, A.**, Rust, P., Cao, Y., Cui, R., Hershcovich, D., & Søgaaard, A. (2024). Vision Language models under Cultural and Inclusive Considerations. In Proceedings of the 1st Human-Centered Large Language Modeling Workshop. Association for Computational Linguistics (ACL).
- Karamolegkou, A.**, Li, J., Kementchedjhieva, Y., Abdou, M., Lehmann, S., & Søgaaard, 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., & Søgaaard, A. (2023). Mapping Brains with Language Models: A Survey. In Findings of the Association for Computational Linguistics: ACL 2023 (pp. 9748–9762). Association for Computational Linguistics (ACL).
- Karamolegkou, A.**, Li, J., Zhou, L., & Søgaaard, A. (2023). Copyright Violations and Large Language Models. In Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing: EMNLP (pp. 7403–7412). Association for Computational Linguistics (EMNLP).
- Zhou, L., **Karamolegkou, A.**, Chen, W., & Hershcovich, 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). Association for Computational Linguistics (ACL).
- Cao, Y., Kementchedjhieva, Y., Cui, R., **Karamolegkou, A.**, Zhou, L., Dare, M., Donatelli, L., & Hershcovich, D. (2024). Cultural Adaptation of Recipes. Transactions of the Association for Computational Linguistics (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).