

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">Human Centered NLP, Multimodal Language Modeling, Privacy, Ethics	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

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

PUBLICATIONS

Karamolegkou, A., Hansen, S., Christopoulou, A., Stamatiou, F., Lauscher, A., & Søgaaard, A. (2024). Ethical Concern Identification in NLP: A Corpus of ACL Anthology Ethics Statements. Under Review.

Karamolegkou, A., Rust, P., Cao, Y., Cui, R., Hershovich, 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., Kementchedjheva, 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., & 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). Association for Computational Linguistics (ACL).

Cao, Y., Kementchedjheva, Y., Cui, R., **Karamolegkou, A.**, Zhou, L., Dare, M., Donatelli, L., & Hershovich, D. (2024). Cultural Adaptation of Recipes. Transactions of the Association for Computational Linguistics (TACL), 12, 80-99.

Karamolegkou, A., & Stymne, S. (2021). Investigation of Transfer Languages for Parsing Latin: Italic Branch vs. Hellenic Branch. In Proceedings of the 23rd Nordic Conference on Computational Linguistics (NoDaLiDa) (pp. 315–320). Linköping University Electronic Press, Sweden.

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).