Constantinos Karouzos

Regent Court, 211 Portobello – Sheffield S14DP,UK

☐ +30 6943585235 • ✉ ckarouzos@gmail.com • ◯ ckarouzos • in ckarouzos

🐦 @ckarouzos • ✍ scholar • 🏠 ckarouzos.github.io

Research Interests

Large Language Models, Preference Optimization, Learning from Diverse Human Feedback, Transfer Learning, Domain Adaptation, Legal NLP.

Education

PhD student in Natural Language Processing   Sheffield, UK
The University of Sheffield, School of CS   *09/2022-Ongoing*
- UKRI Center of Doctoral Training in Speech and Language Technologies and their Applications
- Focus: Efficient transfer learning, preference tuning
- Supervisor: Prof. Nikos Aletras

Integrated Master in Electrical and Computer Engineering   Athens, Greece
National Technical University of Athens (NTUA), School of ECE   *09/2014-11/2020*
- Grade: 8.4/10 (top 15%)
- Concentration: Computer Software & Computer Systems. - Minor: Management & Decision Support Systems.
- Thesis: Unsupervised Domain Adaptation for Natural Language Processing. - Supervisor: Prof. Alex Potamianos

Erasmus Exchange Program - Computer Science and Engineering   Milan, Italy
Politecnico di Milano (Poli.Mi.)   *02/2018-07/2018*

High School   Athens, Greece
Evaggeliki Model High School of Smyrni   *06/2014*
- Nationwide University Entrance Examination score: 19.37/20 (top 1%)

Publications

[1]: **Karouzos C.**, Tan X., Aletras N.
An Empirical Study on Preference Tuning Generalization and Diversity Under Domain Shift. Preprint 2026

[2]: Chatziagapi A., Sgouropoulos D., **Karouzos C.**, Melistas T., Giannakopoulos T., Katsamanis A., Narayanan S.
Audio and ASR-based Filled Pause Detection. ACII 2022

[3]: **Karouzos C.**, Paraskevopoulos G., Potamianos A.
UDALM: Unsupervised Domain Adaptation through Language Modeling. NAACL 2021

Professional Experience

Machine Learning Engineer   Los Angeles, USA (remote)
Behavioral Signals Technologies   *09/2021- 08/2022*
- Developing deep learning speech models for emotion classification, behavioral recognition and hesitation detection.
- Working on automation of ML Operations (model training, testing, deployment, logging and monitoring).

Soldier for Research and Informatics   Athens, Greece
Hellenic Army General Staff   *11/2020- 07/2021*
- Assisted in designing and managing mobilization digital applications.
- IT project management, communication, coordination and train of personnel, handle of technical issues.

Research Assistant   Athens, Greece
Speech & Language Processing group, NTUA   *10/2019- 11/2020*
- Conducted research on ML for NLP and NLP Applications topics

Technical Skills

Expert: Python, Bash, pytorch, huggingface transformers

Familiar: C, C++, Java, Javascript, Tensorflow, JAX

Teaching

Graduate Teaching Assistant   **Sheffield, UK**
School of Computer Science, The University of Sheffield   *10/2023 - 06/2025*
- COM6513 Natural Language Processing, COM1005 Machines and Intelligence,
  COM6115 Text Processing, COM6655 Professional Issues

Undergraduate Lab Assistant   **Athens, Greece**
Software Engineering Laboratory, NTUA   *10/2015 - 06/2017*
- 3.4.3020.1 Computer Programming, 3.4.3138.2 Programming Techniques

Reviewing Service

Confrences: ACL 2023-2024, ICLR 2024-2026, AAAI 2025, NeurIPS 2023, ICML 2024, EACL 2023-2024, NAACL 2024, COLING-LREC 2024
Workshops: NLLP 2023-2025, FITML 2024, SustaiNLP 2023, BioNLP 2024

Awards & Scholarships

2022-2026: University of Sheffield UKRI Centre for Doctoral Training in Speech and Language Technologies and their Applications Scholarship, covering international student tuition fees and stipend for living expenses during Ph.D.

2021: Thomaidio award for National Technical University of Athens students/recent alumni scientific publications.

2014: "The Great Moment of Education" scholarship by Eurobank EFG.

Societies

- Association for Computational Linguistics (ACL), Member
- Technical Chamber of Greece (TEE-TCG), Member
- IEEE, Member

Natural Languages

English(Fluent), **French**(Intermediate), **Italian**(Basic), **Greek**(Native)