Constantinos Karouzos

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Research Interests

Natural Language Processing, Machine Learning for NLP, Transfer Learning, Domain Adaptation, Unsupervised & Low-Resource Learning, NLP Applications, and Legal NLP.

Education

PhD student   **Sheffield, UK**
The University of Sheffield, Department of CS   *09/2022-09/2026*
- UKRI Center of Doctoral Training in Speech and Language Technologies and their Applications
- Focus: Efficient transfer learning for language models across many tasks.
- Supervisor: Dr. Nikolaos 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   **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.**, Paraskevopoulos G., Potamianos A.
UDALM: Unsupervised Domain Adaptation through Language Modeling. NAACL 2021

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

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, and handle of technical issues.

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

Lab Assistant   **Athens, Greece**
Software Engineering Laboratory, NTUA   *10/2015 - 06/2017*
- Assisted students during weekly Computer Programming and Programming Techniques modules lab sessions.

Technical Skills

Programming Languages: Python, Bash, C, C++, Java, Javascript

Machine Learning: pytorch, huggingface, Scikit-Learn
Web Development: Angular, Material, HTML, CSS

Natural Languages

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

Awards

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