Emmanouil Zaranis
Curriculum Vitae

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Research Interests

- Natural Language Generation
- Modeling of Language and Vision
- Explainability

Education

September, 2014–November, 2020	**Diploma Electrical and Computer Engineering**, *5 years joint degree (BEng & MEng)*, National Technical University of Athens,Greece. *Grade – 8.62/10 (top 13% among graduate class of 297 students)*

Diploma Thesis

Title	**Empathetic Dialogue Generation using generation-based models**
Supervisors	Associate Professor Alexandros Potamianos & Principal Researcher (ATHENA RC) Athanasios Katsamanis
Description	This diploma thesis contributes towards making a **conversational agent** able to appropriately respond to a conversation partner, by understanding the implied feelings and responding in an empathetic engaging way. In our research, we experiment with state-of-the-art **deep learning** generation-based models using the dataset introduced in Empathetic Dialogues task, and we present our approaches to further improve upon empathetic dialog systems. ☑

Experience

Sept, 2022–June 2023	**PhD Candidate**, *Speech and Language Technologies(SLT)-CDT*☑, University of Sheffield,UK.
April, 2021–Sept, 2022	**Machine Learning Engineer**, *DeepLab.ai* ☑, Athens,Greece. Conducted research on the domain of Vision and Language. More specifically, I experimented on the Visual Relationship Detection task by attempting to include commonsense knowledge in vision models in order to improve their zero-shot performance.
Nov, 2020–Jul, 2021	**Volunteer Researcher**, National Technical University of Athens,Greece. Co-operated with researchers of the ATHENA Research Center. Conducted research on empathetic dialogue generation.
Nov, 2019–Nov, 2020	**Undergraduate Research Assistant**, *Speech and Language Processing Lab*, National Technical University of Athens,Greece.

Publications - Arxiv

October 2021	**Zaranis E.**, Paraskevopoulos G., Katsamanis A., Potamianos A. **EmpBot: A T5-based Empathetic Chatbot focusing on Sentiments** ☑

Achievements

University Lab Competition 2017	**Multitask Music Classification Competition** Kaggle Platform. Rank **2** (out of 13 participants that have submitted on leaderboard). A music classification competition using deep learning techniques. ☑

Technical skills

Programming Languages	Python, Matlab, Java, JS, C/C++, Bash, MySQL, Prolog
ML Frameworks	Pytorch, Tensorflow, Scikit-learn, NLTK, etc.
Additional	Linux, Git, Docker, Jupyter, Google Colab, AWS

Languages

Greek	Native
English	Proficiency (University of Michigan), IELTS
French	DELF B2