

Christos Baziotis

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| CONTACT INFORMATION | 16 (1F2) Grindlay Street, EH3 9AS Edinburgh, UK +44 7935 476755 | Email: christos.baziotis@gmail.com Website: cbaziotis.github.io Scholar: link |
| RESEARCH INTERESTS | Areas: Machine Learning, Natural Language Processing (NLP) Topics: Natural Language Generation, Latent Structure, Unsupervised & Low-Resource Learning, Machine Translation, Multilingual NLP/Representation Learning | |
| EDUCATION | Ph.D. Candidate University of Edinburgh (ILCC), UK Topic: Low-Resource/Unsupervised Machine Translation Supervisors: Dr. Barry Haddow , Dr. Alexandra Birch | 2019 - Present |
| | M.Sc. in Advanced Computing and Informatics Systems University of Piraeus, Greece, Department of Informatics First-Class Honours (GPA 9.46/10) Thesis: " <i>Sentiment Analysis in Twitter with Deep Neural Networks</i> " Supervisors: Prof. Nikos Pelekis , Prof. Christos Doulkeridis | 2017 |
| | B.Sc. in Informatics University of Piraeus, Greece, Department of Informatics Thesis: " <i>Web-based Android Application for Appointment Scheduling</i> " Supervisor: Prof. Efthimios Alepis | 2014 |
| RESEARCH EXPERIENCE | Research Assistant National Technical University of Athens (NTUA), Greece Research Topic: Low-Resource Neural Text Generation, Transfer Learning Supervisors: Prof. Alexandros Potamianos , Prof. Ion Androutsopoulos - Teacher Assistant in Speech and Language Processing - Leader of NTUA-SLP Team for Semeval 2018 (Tasks 1, 2, 3) | 2017 - 2019 |
| | Research Assistant Institute of Communication and Computer Systems (ICCS), Athens, Greece Project: " <i>BabyRobot: Child-Robot Communication and Collaboration</i> " (EU Horizon 2020) - <i>Object Recognition</i> , for enabling the robots to identify children's workspace. - <i>Speech Emotion Recognition</i> , for tracking children's emotions. - <i>Text Affect Recognition</i> , for monitoring children's affective state (ASR transcripts). | 2017 - 2019 |
| WORK EXPERIENCE | Software Engineer , at Profile Systems and Software S.A. Profile is a Banking and Investment Management software vendor. - Web Software Engineer (Lead Front-End), at Profile's R&D department. - Developed Axia , Profile's cloud-based solution for Wealth Management. | 2014 - 2016 |
| CONFERENCES | Baziotis, C. , Haddow, B. and Birch, A "Language Model Prior for Low-Resource Neural Machine Translation". EMNLP 2020. [paper] [code] Baziotis, C. , Androutsopoulos, I., Konstas, I., and Potamianos, A. "SEQ ³ : Differentiable Sequence-to-Sequence-to-Sequence Autoencoder for Unsupervised Abstractive Sentence Compression". NAACL 2019. [paper] [code] | |

Chronopoulou, A., **Baziotis, C.**, and Potamianos, A. (2019) “An Embarrassingly Simple Approach for Transfer Learning from Pretrained Language Models”. NAACL 2019. [\[paper\]](#) [\[code\]](#)

Margatina, A., **Baziotis, C.**, and Potamianos, A. (2019). “Attention-based Conditioning Methods for External Knowledge Integration”. ACL 2019. [\[paper\]](#) [\[code\]](#)

Tzinis, E., Paraskevopoulos, G., **Baziotis, C.**, and Potamianos, A. “Integrating Recurrence Dynamics for Speech Emotion Recognition”. Interspeech 2018. [\[paper\]](#)

WORKSHOPS

Baziotis, C., Nikolaos, A., Chronopoulou, A., Kolovou, A., Paraskevopoulos, G., Ellinas, N., Narayanan, S., and Potamianos, A. “NTUA-SLP at SemEval-2018 Task 1: Predicting Affective Content in Tweets with Deep Attentive RNNs and Transfer Learning”. SemEval (NAACL-HLT) 2018. [\[paper\]](#) [\[code\]](#)

Baziotis, C., Nikolaos, A., Kolovou, A., Paraskevopoulos, G., Ellinas, N., and Potamianos, A. “NTUA-SLP at SemEval-2018 Task 2: Predicting Emojis using RNNs with Context-aware Attention”. SemEval (NAACL-HLT) 2018. [\[paper\]](#) [\[code\]](#)

Baziotis, C., Nikolaos, A., Papalampidi, P., Kolovou, A., Paraskevopoulos, G., Ellinas, N., and Potamianos, A. “NTUA-SLP at SemEval-2018 Task 3: Tracking Ironic Tweets using Ensembles of Word and Character Level Attentive RNNs”. SemEval (NAACL-HLT) 2018. [\[paper\]](#) [\[code\]](#)

Chronopoulou, A., Margatina, A., **Baziotis, C.**, and Potamianos, A. “NTUA-SLP at IEST 2018: Ensemble of Neural Transfer Methods for Implicit Emotion Classification”. WASSA (EMNLP) 2018. [\[paper\]](#) [\[code\]](#)

Baziotis, C., Pelekis, N., and Doulkeridis, C. “DataStories at SemEval-2017 Task 4: Deep LSTM with Attention for Message-level and Topic-based Sentiment Analysis”. SemEval (ACL) 2017. [\[paper\]](#) [\[code\]](#)

Baziotis, C., Pelekis, N., and Doulkeridis, C. “DataStories at SemEval-2017 Task 6: Siamese LSTM with Attention for Humorous Text Comparison”. SemEval (ACL) 2017. [\[paper\]](#) [\[code\]](#)

COMPETITIONS

- 1st place in Semeval 2017, Task4A “Sentiment Analysis in Twitter”
- 1st place in Semeval 2018, Task1E “Affect in Tweets”
- 2nd place in Semeval 2017 Task4 [B, C, D] (*Sentiment Analysis*), Semeval 2017 Task6A (*Humor*), Semeval 2018 Task2 (*Emoji Prediction*), Semeval 2018 Task3 (*Irony Detection*)

OPEN-SOURCE PROJECTS

ekphrasis (Text Preprocessing)
Text processing tool, targeted at messages from social networks (e.g. Twitter)
NeAt-Vision (Visualization / Model Analysis)
Visualization of the behaviour of deep-learning models for NLP (attention, predictions)

PROGRAMMING SKILLS

Proficient: Python (machine learning stack; PyTorch, NumPy/SciPy, scikit-learn, Keras), JavaScript (front-end stack; AngularJS, VueJS)
Familiar: Java, C/C++, SQL, RegEx, Linux Shell

LANGUAGES

Greek (native), **English** (fluent)