

Christos Baziotis

CONTACT INFORMATION	16 (1F2) Grindlay Street, EH3 9AS Edinburgh, UK +44 7935 476755	Email: christos.baziotis@gmail.com Website: cbaziotis.github.io Publications: Google Scholar
RESEARCH INTERESTS	Natural Language Generation, Machine Translation & Multilingual NLP, Representation Learning, Latent Structure, Unsupervised & Low-Resource 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 - Top scoring system in Semeval 2017, Task4A "Sentiment Analysis in Twitter"	2017
	B.Sc. in Computer Science University of Piraeus, Greece, Department of Informatics Thesis: "Web-based Android Application for Appointment Scheduling" 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 in Tasks 1, 2, 3 (<i>1st in Task1E</i>)	2017 - 2019
	Research Assistant Institute of Communication and Computer Systems (ICCS), Athens, Greece Project: " BabyRobot : Child-Robot Communication and Collaboration" (EU Horizon 2020) - Object Recognition, for enabling the robots to identify children's workspace. - Speech Emotion Recognition, for tracking children's emotions. - Text Affect Recognition, for monitoring children's affective state (ASR transcripts).	2017 - 2019
WORK EXPERIENCE	Research Scientist Intern Facebook AI Research (FAIR) at Menlo Park, CA, USA (remote) I worked on multilingual machine translation, under the supervision of Shruti Bhosale .	Sep 2021 - Dec 2021
	Applied Scientist Intern Amazon Research at Palo Alto, CA, USA (remote) I worked on machine translation with Prashant Mathur and Eva Hasler .	May 2021 - Aug 2021
	Software Engineer Profile Systems and Software S.A. - Banking & Investment Management	2014 - 2016

- Web software engineer (lead front-end), at Profile's R&D department.
- Developed [Axia](#), Profile's cloud-based solution for wealth management.

CONFERENCES

Baziotis, C., Titov, I., Birch, A. and Haddow, B. "Exploring Unsupervised Pretraining Objectives for Machine Translation". ACL 2021 (Findings). [\[paper\]](#) [\[code\]](#)

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. "SEQ³: 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) 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) 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) 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 Doukeridis, 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 Doukeridis, 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)