

Christos Baziotis

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
Topics: Natural Language Generation, Latent Structure, Semi/Unsupervised Learning, Few-Shot Learning

EDUCATION

Ph.D. Candidate 2019 - Present

University of Edinburgh (ILCC), UK
- Topic: Low-Resource/Unsupervised Machine Translation
- Supervisors: Dr. [Alexandra Birch](#), Dr. [Barry Haddow](#)

Ph.D. Candidate 2017 - 2018

National Technical University of Athens (NTUA), Greece
- Topic: Unsupervised Summarization
- Supervisors: Prof. [Alexandros Potamianos](#), Prof. [Ion Androutsopoulos](#)

M.Sc. in Advanced Computing and Informatics Systems 2017

University of Piraeus, Greece, Department of Informatics
- First-Class Honours (GPA 9.46/10)
- Thesis: "*Sentiment Analysis in Twitter with Deep Neural Networks*"
- Supervisors: Prof. [Nikos Pelekis](#), Prof. [Christos Doulkeridis](#)

B.Sc. in Informatics 2014

University of Piraeus, Greece, Department of Informatics
- Thesis: "*Web-based Android Application for Appointment Scheduling*"
- Supervisor: Prof. [Efthimios Alepis](#)

RESEARCH EXPERIENCE

Research Assistant 2017 - 2019

Speech and Language Processing Lab, National Technical University of Athens
- Leader of NTUA-SLP Team for Semeval 2018 (Tasks 1, 2, 3).
- Research Topics: *Neural Transfer Learning for NLP, Sentiment Analysis, Emotion Recognition, Irony Detection, Controlled Text Generation, Transfer Learning for Improved Text Classification, Feature Space Augmentation for Speech Emotion Recognition.*

Research Assistant 2017 - 2019

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).

WORK EXPERIENCE

Software Engineer, at [Profile S.A.](#) 2014 - 2016

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.

PRIZES & AWARDS

- 1st place in Semeval 2017, Task4A "*Sentiment Analysis in Twitter*"
- 1st place in Semeval 2018, Task1E "*Affect in Tweets*"
- 1st place in BioCreative VI Precision Medicine Track, "*Document Triage Task*"
- 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*)

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