

Alexandra Chronopoulou

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Education

PhD in Computer Science

University of Munich (LMU Munich)

Munich, Germany

09/2019- Today

- Natural Language Processing & Machine Learning
- Focus : Unsupervised and Low-Resource Machine Translation, Unsupervised Cross-lingual Pretraining
- Supervisor: Alexander Fraser [scholar]

BEng & MEng Diploma in Electrical and Computer Engineering

National Technical University of Athens

Athens, Greece

09/2012-02/2019

- GPA : 8.0/10 (top 15% of class)
- Specialization: Systems, Control & Robotics
- Thesis Topic : Transfer Learning with Deep Neural Networks for Sentiment Analysis and Semantic Modeling, supervised by Alexandros Potamianos [scholar]
- Relevant Coursework: Natural Language Processing, Neural Networks and Intelligent Systems, Robotics Computer Vision

Erasmus Exchange Student Program

Polytechnic University of Catalonia (UPC)

Barcelona, Spain

01/2016-06/2016

- Relevant Coursework: Pattern Recognition, Mobile Robots and Navigation

High School Diploma

Lycée Léonin Nea Smirni

Athens, Greece

09/2009-06/2012

- GPA: 19.4/20 (Highest Honors)
- Nationwide University Entrance Examination. GPA: 19.38/20 (top 1% nationwide)

Publications

EMNLP 2020

Proceedings of the Conference on Empirical Methods in Natural Language Processing

Online

November 2020

- Reusing a Pretrained Language Model on Languages with Limited Corpora for Unsupervised NMT [pdf] [code]
Alexandra Chronopoulou, Dario Stojanovski, Alexander Fraser

Findings of EMNLP 2020

Proceedings of the Findings of the Conference on Empirical Methods in Natural Language Processing

Online

November 2020

- Domain Adversarial Fine-Tuning as an Effective Regularizer [pdf]
Giorgos Vernikos, Katerina Margatina, Alexandra Chronopoulou, Ion Androutsopoulos

WMT 2020

Proceedings of the Fourth Conference on Machine Translation, Shared Task Papers

Online

November 2020

- The LMU Munich System for the WMT 2020 Unsupervised Machine Translation Shared Task
Alexandra Chronopoulou, Dario Stojanovski, Viktor Hangya, Alexander Fraser

NAACL 2019

Proceedings of the Conference of the North American Chapter of ACL

Minneapolis, USA

June 2019

- An Embarrassingly Simple Approach for Transfer Learning from Pretrained Language Models [pdf] [code]
Alexandra Chronopoulou, Christos Baziotis, Alexandros Potamianos

WASSA 2018 (EMNLP Workshop)

Proceedings of the Workshop on Comp. Approaches to Subjectivity, Sentiment & Social Media Analysis

Brussels, Belgium

Oct.-Nov. 2018

- NTUA-SLP at IEST 2018: Ensemble of neural transfer methods for implicit emotion classification [pdf] [code]
Alexandra Chronopoulou, Katerina Margatina, Christos Baziotis, Alexandros Potamianos

SemEval 2018 (NAACL Workshop)

Proceedings of The International Workshop on Semantic Evaluation

New Orleans, USA

June 2018

- NTUA-SLP at SemEval-2018 Task 1: Predicting Affective Content in Tweets with Deep Attentive RNNs and Transfer Learning [pdf] [code]
Christos Baziotis, Nikos Athanasiou, Alexandra Chronopoulou, Athanasia Kolovou, Georgios Paraskevopoulos, Nikolaos Ellinas, Shrikanth Narayanan, Alexandros Potamianos

Professional Experience

Machine Learning Engineer

Behavioral Signal Technologies Inc.

Los Angeles, USA (remote)

11/2018-07/2019

- Built text classification models for emotion recognition from conversational data.
- Built neural models using PyTorch for basic emotion recognition.
- Developed machine learning infrastructure framework.

Software Engineer (Intern)

NOKIA R&D

Athens, Greece

07/2017-01/2018

- Assisted in coding a supervised machine learning algorithm based on Random Forest to predict code fault-proneness on internal team projects using a Cassandra NoSQL database.
- Coded in Python, used scikit-learn. Front-end with Flask.

Honors and Awards

- **Top-ranked participation in the Unsupervised Machine Translation Shared Task of WMT 2020**
1st position in both translation directions, (German-Sorbian and Sorbian-German), using a variant of the MASS model for pretraining, pseudo-parallel data from USMT, residual adapters and BPE dropout.
- **Facebook Scholarship for Attendance at EurNLP 2019**
Recipient of travel grant in order to attend the inaugural EurNLP summit in London, UK.
- **EETN Scholarship for Attendance at AthNLP Summer School 2019**
Recipient of scholarship from the Hellenic Artificial Intelligence Society (EETN) to attend the 1st AthNLP Summer School in Athens, Greece.
- **ACM-W Scholarship for Attendance at NAACL 2019**
Recipient of award from ACM-Women to attend NAACL 2019 conference in Minneapolis, USA.
- **Top-ranked participation in WASSA 2018**
3rd position in the IEST Task (Implicit Emotion Classification Shared Task) among 30 teams, employing transfer learning from language models for emotion recognition.
- **Top-ranked participation in SemEval 2018**
2nd position among 3 subtasks in Task 1: Affect in Tweets based on transfer learning methods for deep learning for emotion recognition on both regression and classification tasks.

Presentations

- **NAACL 2019** An Embarrassingly Simple Approach for Transfer Learning from Pretrained Language Models
Alexandra Chronopoulou, Christos Baziotis, Alexandros Potamianos [[slides](#)] [[video](#)]
- **EMNLP 2018-WASSA** Ensemble of Neural Transfer Methods for Implicit Emotion Classification
Alexandra Chronopoulou, Katerina Margatina, Christos Baziotis, Alexandros Potamianos [[slides](#)]

Technical skills

- **Programming Skills:** Python, C, Matlab, UNIX, Bash, SQL
- **Frameworks:** Pytorch, Keras, Tensorflow, scikit-learn
- **Development:** Git, Jira, Scrum, Jenkins

Languages

- Greek (native), English (fluent), French (fluent), Spanish (intermediate), German (intermediate)

References

Alexander Fraser

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Alexandros Potamianos

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