# Alexandra Chronopoulou

Piccoloministrasse 2A, 80807, Munich, Germany

📱 +49 17664339900 • ✉ achron@cis.lmu.de • google scholar • ⌽ github • in linkedin

## Education

**PhD in Computer Science**                                                                                                    **Munich, Germany**
*University of Munich (LMU Munich)*                                                                                            *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**                                          **Athens, Greece**
*National Technical University of Athens*                                                                                        *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**                                                                                     **Barcelona, Spain**
*Polytechnic University of Catalonia (UPC)*                                                                                   *01/2016-06/2016*

- Relevant Coursework: Pattern Recognition, Mobile Robots and Navigation

**High School Diploma**                                                                                                            **Athens, Greece**
*Lycée Léonin Nea Smirni*                                                                                                          *09/2009-06/2012*

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

## Publications

**EMNLP 2020**                                                                                                                         **Online**
*Proceedings of the Conference on Empirical Methods in Natural Language Processing*             *November 2020*

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

**Findings of EMNLP 2020**                                                                                                        **Online**
*In Findings of the Association for Computational Linguistics: EMNLP*                                   *November 2020*

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

**WMT 2020**                                                                                                                            **Online**
*Proceedings of the Conference on Machine Translation, Shared Task Papers*                       *November 2020*

- The LMU Munich System for the WMT 2020 Unsupervised Machine Translation Shared Task
  **Alexandra Chronopoulou**, Dario Stojanovski, Viktor Hangya, Alexander Fraser [pdf] [code][slides] [poster]

**NAACL 2019**                                                                                                                    **Minneapolis, USA**
*Proceedings of the Conference of the North American Chapter of ACL*                                  *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)**                                                                                 **Brussels, Belgium**
*Proceedings of the Workshop on Comp. Approaches to Subjectivity, Sentiment & Social Media Analysis*     *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)**                                                                              **New Orleans, USA**
*Proceedings of The International Workshop on Semantic Evaluation*                                    *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**                                          **Los Angeles, USA (remote)**
*Behavioral Signal Technologies Inc.*                                              *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)**                                                    **Athens, Greece**
*NOKIA R&D*                                                                        *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**
*fraser@cis.lmu.de*

**Alexandros Potamianos**
*potam@central.ntua.gr*