

FARHAD NOORALAHZADEH

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Summary

"I am a postdoctoral researcher at University of Zurich (UZH) with 9 years of experience in the field of Natural Language Processing and Machine Learning applications. I completed my Ph.D degree at the University of Oslo in the Language Technology group on *Low-Resource Adaptation of Neural NLP Models*. Currently, I am working at the Department of Computational linguistics and KrauthammerLab (UZH and USZ) on Multilingual Neural Machine Translation and Multi-Modal, Multilingual Medical Report Generation projects."

Education

- **University of Oslo** —Oslo-Norway,
May 2016- June 2020
PhD fellow in Language Technology group (SIRIUS Center)
Low-Resource Adaptation of Neural NLP Models
 - **Université Lumière Lyon 2** —Lyon-France,
Sep 2011-July 2013
MSc in Data Mining and Knowledge Management (Erasmus Mundus programme)
— GPA:18.22 (M2) 15 (M1)
 - **IRAN University of Science and technology**—Tehran-Iran
BSc in Industrial Engineering at System analysis and planning
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Related Professional Experience

- **Department of Computational Linguistics , University of Zurich**—CL-UZH
Postdoctoral Fellow: Nov 2021 - present
- **Krauthammer Lab, University of Zurich & University Hospital Zurich**—UZH
Research Assistant / Postdoctoral Fellow: Jun 2020 - present
- **Institut national de recherche en informatique et en automatique- Sophia Antipolis**—INRIA
Research Engineer: Feb 2015-May 2016
- **École Polytechnique de Montréal. Montreal**—Canada
Research Assistance: May 2014- Oct 2014
- **XEROX Research Centre Europe. Grenoble- France**—XRCE
Research and Development Engineer: Oct 2013-April 2014
- **XEROX Research Centre Europe. Grenoble - France**—XRCE
Intern(1st prize for presentation of internship project): March 2013-Sep 2013
- **Kayson Co. IRAN**—KCC
System Engineer and SAP Business One Admin: Dec 2008 - Jul 2011
- **Netsis Group, Inc**—PNS
ERP Implementation Project Manager: Apr 2006 - Nov 2008

- **TAM IRAN KHODRO Co.—TAM**
System Specialist: Jun 2002 - March 2006
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Publication

- Farhad Nooralahzadeh, Nicolas Perez Gonzalez, Thomas Frauenfelder, Koji Fujimoto, Michael Krauthammer: **Progressive Transformer-Based Generation of Radiology Reports**. Findings of the Association for Computational Linguistics: EMNLP , November 7–11, 2021
- Farhad Nooralahzadeh, Giannis Bekoulis, Johannes Bjerva and Isabelle Augenstein: **Zero-Shot Cross-Lingual Transfer with Meta Learning**. Proceedings of the Conference on Empirical Methods in Natural Language Processing, EMNLP, November 16–20, 2020
- Farhad Nooralahzadeh, Jan Tore Lønning, Lilja Øvrelid: **Reinforcement-based denoising of distantly supervised NER with partial annotation**. Proceedings of the second Workshop in Deep LEARNING FOR LOW-RESOURCE NLP (DeepLo) 2019, EMNLP, Nov. 3, Hong-Kong,
- Farhad Nooralahzadeh, Lilja Øvrelid: **SIRIUS-LTG: An Entity Linking Approach to Fact Extraction and Verification**. Proceedings of the First Workshop on Fact Extraction and VERification (FEVER) 2018, EMNLP, Nov. 1, Brussels, Belgium,
- Farhad Nooralahzadeh, Lilja Øvrelid: **Syntactic Dependency Representations in Neural Relation Classification**. Proceedings of the International Workshop on Relevance of Linguistic Structure in Neural Architectures for NLP, ACL 2018, July 15-20, Melbourne
- Farhad Nooralahzadeh, Lilja Øvrelid, Jan Tore Lønning: **SIRIUS-LTG-UiO at SemEval-2018 Task 7: Convolution neural network with shortest dependency path for relation extraction and classification in scientific papers**. Proceedings of the 12th International Workshop on Semantic Evaluation (SemEval-2018)
- Farhad Nooralahzadeh, Lilja Øvrelid, Jan Tore Lønning: **Evaluation of Domain-specific Word Embeddings using Knowledge Resources**. Proceedings of the 11th International Conference on Language Resources and Evaluation (LREC 2018), May 7-12, Miyazaki, Japan
- Farhad Nooralahzadeh, Cédric Lopez, Elena Cabrio, Fabien L. Gandon, Frédérique Segond: **Adapting Semantic Spreading Activation to Entity Linking in Text**. NLDB 2016: 74-90
- Cédric Lopez, Farhad Nooralahzadeh, Elena Cabrio, Frédérique Segond, Fabien Gandon: **ProVoc: une ontologie pour décrire des produits sur le Web**. IC 2016: 61-72
- Cédric Lopez, Matthieu Osmuk, Dana Popovici, Farhad Nooralahzadeh, Domoina Rabarijaona, Fabien Gandon, Elena Cabrio, Frédérique Segond: **Du TALN au LOD : Extraction d'entités, liage, et visualisation**. IC 2016: 231-234
- Farhad Nooralahzadeh, Caroline Brun and Claude Roux. **Part of Speech Tagging for French Social Media Data**. The 25th International Conference on Computational Linguistics (COLING 2014) Dublin, Ireland, August 23-29, 2014.
- Farhad Nooralahzadeh, Viswanathan Arunachalam, and Costin-Gabriel Chiru. **2012 Presidential Elections on Twitter – An Analysis of How the US and French Election were Reflected in Tweets**. In Proceedings of the 2013, 19th International Conference on Control Systems and Computer Science (CSCS '13). IEEE Computer Society.

Program committee

- **NAACL:** 2021
- **EACL:** 2021
- **NoDaLiDa:** 2021, 2020, 2019

- **ACL:** 2020
- **EMNLP:** 2021, 2020, 2019
- **LREC:** 2020

Skills

- **DataBase:** Microsoft SQL server, MySql,Postgresql
- **Programing Language and Scripte:** C++, Java, Python, javaScript
- **IDE, Tools and Softwares:** Pytorch , Tensorflow, Keras, SciPy, Numpy, Scikit-learn, pandas, Spacy, Stanford CoreNLP, NLTK, Gensim, R, Weka, SPARQL, Prolog, Crystal Report, React , React Native, NetBeans,L^AT_EX, Git, Maven
- **NLP related Deep Learning Techniques:** RNN/LSTM, Attention, Transformer, BERT, GPT-2, BART
- **Language** (From native to intermediate level): Persian, Turkish, English, Spanish, French

References Available to Contact

- **Lilja Øvrelid:** professor , Language Technology Group , Department of Informatics, University of Oslo
Email:liljao@ifi.uio.no phone : + 47-22840850
- **Isabelle Augenstein :** Associate Professor , Department of Computer Science , University of Copenhagen
Email:augenstein@di.ku.dk
- **Jan Tore Lønning:** Professor , Language Technology Group , Department of Informatics, University of Oslo
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