Sina Ahmadi

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RESEARCH INTERESTS

- Natural Language Processing
- Linked data
- Machine learning

EDUCATION

National University of Ireland Galway, Ireland   **April 2018 - present**
Ph.D. in Computer Science and Engineering
Insight Centre for Data Analytics
Subject: *"Cross-lingual Data Linking", supervised by John McCrae and Mihael Arcan*

Paris Descartes University, Paris, France   **Sep. 2016 - Sep. 2017**
Master (R&D) in Artificial Intelligence (Machine Learning for Data Mining)
Department of Mathematics and Computer Science
Thesis: *"Attention-based Encoder-Decoder Networks for Spelling and Grammatical Error Correction", supervised by Joseph Le Roux and Nadi Tomeh*

Sorbonne Nouvelle University, Paris, France   **Sep. 2014 - Sep. 2016**
Master (R&D) in Natural Language Processing
Department of General and Applied Linguistics
Thesis: *"From Text to Text: Natural Text Generation Using Patterns from Corpus", supervised by Patrick Paroubek*

University of Kurdistan, Sanandaj, Iran   **Sep. 2010 - June 2014**
B.Sc. in Software Engineering (Bac+4)
Department of Computer and Electrical Engineering
Thesis: *"Part-of-speech tagging for Kurdish using a statistical and rule-based approach", supervised by Kyumars Sheykh Esmaili*

RESEARCH EXPERIENCES

Research Intern, The Computer Science Laboratory of Paris-North University (LIPN).
Under the supervision of Nadi Tomeh and Joseph Le Roux
Subject: Neural networks with care for spelling and grammar correction
April 2017 - Sept. 2017

Research Intern, Computer Science Laboratory for Mechanics and Engineering Sciences (LIMSI-CNRS) based on a research contract with collaboration with Soyooz.
Subject: Natural Language Generation for recommendation of commercial products
Jan. 2016 - June 2016

Research Intern, Laboratory of Informatics of Paris6 (LIP6), UPMC
Subject: Co-reference resolution by representation learning using neural networks (Restricted Boltzmann Machine (RBM) and Deep Boltzmann Network (DBN))
June 2015 - Sep. 2015

Research volunteer, Kurdish Language Processing Project, University of Kurdistan
Under the supervision of Kyumars Sheykh Esmaili
Subject: Implementation of fundamental tools for Kurdish processing
Jan. 2013 - Dec. 2013

PROFESSIONAL EXPERIENCES **Software developer**, Zanyaran co.
Implementation of modules in Java as a member of a bigger team of developers.
Kurdistan, Iran
June 2012 - Sep. 2012

PUBLICATIONS P. Aliabadi, **Sina Ahmadi**, S. Salavati, K. S. Esmaili, "Towards Building KurdNet, the Kurdish WordNet", *the 7th International Global WordNet Conference (GWC 2014- Tartu, Estonia)*.

S. Salavati, **Sina Ahmadi**, "Building a Lemmatizer and a Spell-checker for Sorani Kurdish", *8th Language & Technology Conference: Human Language Technologies as a Challenge for Computer Science and Linguistics (LTC'17)*, Poznań, Poland. 2017.

Sina Ahmadi, "A Rule-based Kurdish Text Transliteration System", *ACM Transactions on Asian and Low-Resource Language Information Processing (TALLIP)*, 18:2. 2018 (to appear).

POSTERS AND INVITED TALKS Workshop on eLexicography, Galway, Ireland, 6th December.

Insight Student Conference, University College Dublin, September 2018.

AI & the Smart Enterprise, Dublin City University, Dublin, June 2018.

HONORS AND AWARDS
- ELEXIS grant for Ph.D. degree at NUI Galway (2018-2022)
- Campus France scholarship for Master degree (2015-2016)
- Ranked 3rd in the Innovation and Creation Competition of University of Tabriz, Tabriz, 2012.
- University of Kurdistan's member in the 36th ACM International Collegiate Programming Contest (Asian Regional), Tehran, 2011.
- Ranked in the top 10% among all applicants for the Nationwide University Entrance Exam (Approximately 3000000 applicants) Iran, 2010.
- Ranked 2nd in Kurdistan Regional Competence of Programming, Iran, 2008.
- Admitted to the National Organization for Development of Exceptional Talents for high school studies, Iran, 2006.

SEMINARS
- "Empathie et prise de conscience interculturelle", University of Athens, March 2018.
- "Souls without Borders" training course, Larnaca, Cyprus, 24-30 October 2017.
- "Recognizing learning for You(th)!" training course, Beaufort, Luxembourg, 19-24 October 2016.
- "Learning How to Learn: Powerful mental tools to help you master tough subjects by University of California, San Diego on Coursera" earned on July 26, 2015.

TECHNICAL SKILLS Programming Languages: *Expert in*: Python, Java, Perl, R - *Familiar with*: C++, Octave, C#
Tools and Frameworks: RStudio, Visual Studio, SciPy, Theano, DyNet, LATEX
Database : MySQL
Web technologies: PHP, HTML(and CSS), XML technologies
Interpersonal Skills: Critical Thinking, Data Collection, Literature Reviews, Problem Solving, Self-Management, Confidentiality

LANGUAGES

- Kurdish(native)
- English, French, Persian, Arabic
- Modern Greek (A2), German (A1)

PERSONAL INTERESTS

Violin playing (2 public performances so far) - Reading - Traveling - Learning

REFERENCES

Available on demand.