

Konstantinos Skianis

Founder @BLUAI, Academic Fellow @AUEB

<https://bluai.gr> & <https://y3nk0.github.io>

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AREAS	Natural Language Processing, Machine Learning, Deep Learning, Data Science	
PROFESSIONAL EXPERIENCE	University Academic Fellow, AUEB Teaching the Data Mining and Science undergraduate course	March, 2022 - present
	Founder, BLUAI Offering AI, NLP, ML expertise and solutions for businesses	June, 2020 - present
	Senior Researcher, CLMS EU programs R&D	September, 2020 - March 2022
	Postdoctoral Researcher, École Polytechnique Research, supervision	March, 2019 - June 2020
	Research Engineer, École Polytechnique & Airbus Data Mining, Machine Learning, Data Visualization	September, 2013 - September, 2014
	Intern, École Polytechnique Web-crawling, Text Mining	Summer 2013
EDUCATION	École Polytechnique , Palaiseau, France Ph.D. Candidate, October 2015 - February 2019 <ul style="list-style-type: none">• Topic: “Novel Representations, Regularization and Distances for Text Classification”• Advisor: Prof. Michalis Vazirgiannis & Prof. Guillaume Wisniewski• Member of DaSciM team	
	École Normale Supérieure Paris-Saclay , Paris, France M.Sc., Math, Computer Vision and Machine Learning (MVA) 2014-2015 Specialization: Graph & Text Mining	
	Athens University of Economics and Business , Athens, Greece B.Sc., Computer Science, May 2013 Specialization: Data Mining & Web Crawling	
HONORS AND AWARDS	École Polytechnique Jeune Post-doc Fellowship, March-May 2019 Awarded a 3-month post-doc research grant	
	École Polytechnique Ph.D. Fellowship, 2015 Awarded the Ph.D. research grant for 2015-2018	
	State award for school excellence Awarded for excellent performance in school	
PUBLICATIONS	1. Evaluation of Machine Translation Methods applied to Medical Terminologies Konstantinos Skianis, Florent Desgrippes, Yann Briand LOUHI, EMNLP 2020 (Workshop)	

2. [Boosting Tricks for Word Mover's Distance](#)
K. Skianis, F. D. Malliaros, N. Tziortziotis, M. Vazirgiannis
ICANN 2020 (Full)
3. [Rep the Set: Neural Networks for Learning Set Representations](#)
K. Skianis, G. Nikolentzos, S. Limnios, M. Vazirgiannis
AISTATS 2020 (Full)
4. [GraKel: Graph Kernels in Python](#)
G. Nikolentzos, I. Siglidis, S. Limnios, C. Giatsidis, K. Skianis, M. Vazirgiannis
JMLR 2020 (Software)
5. [Evaluation of Greek Word Embeddings](#)
S. Outsios, C. Karatsalos, K. Skianis, M. Vazirgiannis
LREC 2020 (Full)
6. [Scientometrics for Success and Influence in the Microsoft Academic Graph](#)
G. Panagopoulos, C. Xypolopoulos, K. Skianis, C. Giatsidis, J. Tang, M. Vazirgiannis
Complex Networks 2019
7. [Word Embeddings from Large-scale Greek Web Content](#)
S. Outsios, K. Skianis, P. Meladianos, C. Xypolopoulos, M. Vazirgiannis
arXiv 2018
8. [Orthogonal Matching Pursuit for Text Classification](#)
K. Skianis, N. Tziortziotis, M. Vazirgiannis
WNUT, EMNLP 2018, *Brussels, Belgium* (Workshop)
9. [Fusing Document, Collection and Label Graph-based Representations with Word Embeddings for Text Classification \(Best Paper Award\)](#)
K. Skianis, F. Malliaros, M. Vazirgiannis
TextGraphs, NAACL 2018, *New Orleans, USA* (Workshop)
10. [Kernel Graph Convolutional Neural Networks](#)
G. Nikolentzos, P. Meladianos, A. J.-P. Tixier, K. Skianis, M. Vazirgiannis
ICANN 2018, *Rhodes, Greece* (Full)
11. [Data Management for the World Wealth & Income Database](#)
K. Skianis, M. Vazirgiannis, L. Chancel, T. Piketty et. al.
ParisBD 2017, *Paris, France* (Poster)
12. [SpreadViz: Analytics and Visualization of Spreading Processes in Social Networks](#)
K. Skianis, MEG. Rossi, F. D. Malliaros, M. Vazirgiannis
ICDM 2016, *Barcelona, Spain* (Demo)
13. [Regularizing Text Categorization with Clusters of Words](#)
K. Skianis, F. Rousseau, M. Vazirgiannis
EMNLP 2016, *Austin, USA* (Full)
14. [GoWvis: a web application for Graph-of-Words-based text visualization and summarization](#)
A. J.-P. Tixier, K. Skianis, M. Vazirgiannis
ACL 2016, *Berlin, Germany* (Demo)
15. [Graph-Based Term Weighting for Text Categorization](#)
F. Malliaros, K. Skianis
Someris, ASONAM 2015, *Paris, France* (Workshop)

REVIEWS	<ul style="list-style-type: none">• 2020: EMNLP• 2019: NAACL, LLD @ICLR• 2018: NIPS, WWW, EMNLP, ECML-PKDD• 2017: AAAI, LLD @NIPS, EMNLP• 2016: AAAI, WSDM, IC²S²					
TEACHING	<ul style="list-style-type: none">• 2019: Executive training for companies: Lectures & labs on text mining and deep learning <i>Full teaching</i> - DSSP, EXED• 2017: Learning for Text and Graph Data: Labs with Python <i>Labs</i> - <i>Licence, Master M2 @ Ecole Polytechnique</i>					
COMPETITIONS	6th place, National Bank of Greece Race Training greek word embedding from legal texts.	April 2019				
	2nd place, Fintech Crowdhackathon Detecting fraud e-transactions based on deep learning.	April 2016				
	2nd place, DREEM challenge (inclass Kaggle) DREEM introduces a way to increase the duration and quality of deep sleep.	January 2015				
	6th place, Data Mining Cup Berlin, Germany	July 2013				
TECHNICAL SKILLS	<table><tr><td>Coding</td><td>Python, Java, C++ SQL, Matlab, D3js, L^AT_EX</td></tr><tr><td>Tools</td><td>Keras, Tensorflow, PyTorch, Spark, Hadoop</td></tr></table>	Coding	Python, Java, C++ SQL, Matlab, D3js, L ^A T _E X	Tools	Keras, Tensorflow, PyTorch, Spark, Hadoop	
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ADDITIONAL INFORMATION	<table><tr><td>Languages</td><td>Greek - Native English - Fluent German - Very good French - Good</td></tr></table>	Languages	Greek - Native English - Fluent German - Very good French - Good			
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