

Konstantinos Skianis

Founder @BLUAI

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

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AREAS	Machine Learning, Deep Learning, Data Science, Natural Language Processing	
PROFESSIONAL EXPERIENCE	Founder, R&D, BLUAI AI, NLP, ML consulting and solutions	June, 2020 - present
	University Academic Fellow, AUEB Data Mining and Science undergraduate course	March, 2022 - September 2022
	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. Predicting COVID-19 positivity and hospitalization with multi-scale graph neural networks K. Skianis, G. Nikolentzos, B. Gallix, R. Thiebaut, G. Exarchakis Submitted to Nature Scientific Reports 2022 (Journal)	

2. [Moderate COVID-19: Clinical Trajectories and Predictors of Progression and Outcomes](#)
A. G. Pappas, A. Panagopoulos, A. Rodopoulou, M. Alexandrou, A. Chaliasou, K. Skianis, E. Kranidioti, E. Chaini, I. Papanikolaou, I. Kalomenidis
Journal of Personalized Medicine **2022** (Journal)
3. [Evaluation of Machine Translation Methods applied to Medical Terminologies](#)
K. Skianis, F. Desgrippes, Y. Briand
LOUHI, EMNLP 2020 (Workshop)
4. [Boosting Tricks for Word Mover's Distance](#)
K. Skianis, F. D. Malliaros, N. Tziortziotis, M. Vazirgiannis
ICANN 2020 (Conference)
5. [Rep the Set: Neural Networks for Learning Set Representations](#)
K. Skianis, G. Nikolentzos, S. Limnios, M. Vazirgiannis
AISTATS 2020 (Conference)
6. [GraKel: Graph Kernels in Python](#)
G. Nikolentzos, I. Siglidis, S. Limnios, C. Giatsidis, K. Skianis, M. Vazirgiannis
JMLR 2020 (Journal)
7. [Evaluation of Greek Word Embeddings](#)
S. Outsios, C. Karatsalos, K. Skianis, M. Vazirgiannis
LREC 2020 (Conference)
8. [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 (Conference)
9. [Word Embeddings from Large-scale Greek Web Content](#)
S. Outsios, K. Skianis, P. Meladianos, C. Xypolopoulos, M. Vazirgiannis
arXiv 2018
10. [Orthogonal Matching Pursuit for Text Classification](#)
K. Skianis, N. Tziortziotis, M. Vazirgiannis
WNUT, EMNLP 2018, Brussels, Belgium (Workshop)
11. [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)
12. [Kernel Graph Convolutional Neural Networks](#)
G. Nikolentzos, P. Meladianos, A. J.-P. Tixier, K. Skianis, M. Vazirgiannis
ICANN 2018, Rhodes, Greece (Conference)
13. [Data Management for the World Wealth & Income Database](#)
K. Skianis, M. Vazirgiannis, L. Chancel, T. Piketty et. al.
ParisBD 2017, Paris, France (Poster)
14. [SpreadViz: Analytics and Visualization of Spreading Processes in Social Networks](#)
K. Skianis, MEG. Rossi, F. D. Malliaros, M. Vazirgiannis
ICDM 2016, Barcelona, Spain (Demo)
15. [Regularizing Text Categorization with Clusters of Words](#)
K. Skianis, F. Rousseau, M. Vazirgiannis
EMNLP 2016, Austin, USA (Conference)
16. [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)

17. [Graph-Based Term Weighting for Text Categorization](#)
 F. Malliaros, K. Skianis
Someris, ASONAM 2015, Paris, France (Workshop)

REVIEWS

- 2020: EMNLP
- 2019: NAACL, LLD @ICLR
- 2018: NIPS, WWW, EMNLP, ECML-PKDD
- 2017: AAAI, LLD @NIPS, EMNLP
- 2016: AAAI, WSDM, IC²S²

TEACHING

- 2019: Executive training for companies: Lectures & labs on text mining and deep learning
Full teaching - [DSSP](#), [EXED](#)
- 2017: Learning for Text and Graph Data: Labs with Python
Labs - Licence, Master M2 @ Ecole Polytechnique

COMPETITIONS

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| 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

Coding	Python, Java, C++ SQL, Matlab, D3js, L ^A T _E X
Tools	Keras, Tensorflow, PyTorch, Spark, Hadoop

ADDITIONAL INFORMATION

Languages	Greek - Native English - Fluent German - Very good French - Good
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