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RESEARCH
INTERESTS

Natural Language Processing, Machine Learning, Deep Learning, Data Science

EDUCATION

École Polytechnique, Palaiseau, France

Ph.D. Candidate, October 2015 (expected graduation: February 2019)

- Topic: “Novel Approaches for Representations, Regularization and Distances in Text”
- Advisor: Prof. Michalis Vazirgiannis and Prof. Guillaume Wisniewski
- Member of [DaSciM team](#)

École Normale Supérieure de Cachan, 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

PROFESSIONAL
EXPERIENCE

Research Engineer, *École Polytechnique & Airbus*
Data Mining, Machine Learning, Data Visualization

September, 2013 - September, 2014

Intern, *École Polytechnique*
Web-crawling, Text Mining

Summer 2013

HONORS AND
AWARDS

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. [Word Embeddings from Large-scale Greek Web Content](#)
S.Outsios, K. Skianis, P. Meladianos, C. Xypolopoulos, M. Vazirgiannis
SLT 2018, *Athens, Greece*
2. [Orthogonal Matching Pursuit for Text Classification](#)
K. Skianis, N. Tziortziotis, M. Vazirgiannis
WNUT, EMNLP 2018, *Brussels, Belgium* (Workshop)
3. [GraKel: Graph Kernels in Python](#)
G. Nikolentzos, I. Siglidis, S. Limnios, C. Giatsidis, K. Skianis, M. Vazirgiannis
arXiv 2018 (Software)
4. [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)

5. [Kernel Graph Convolutional Neural Networks](#)
G. Nikolentzos, P. Meladianos, A. J.-P. Tixier, K. Skianis, M. Vazirgiannis
ICANN 2018, *Rhodes, Greece* (Full)
6. [Data Management for the World Wealth & Income Database](#)
K. Skianis, M. Vazirgiannis, L. Chancel, T. Piketty et. al.
ParisBD 2017, *Paris, France* (Poster)
7. [SpreadViz: Analytics and Visualization of Spreading Processes in Social Networks](#)
K. Skianis, MEG. Rossi, F. D. Malliaros, M. Vazirgiannis
ICDM 2016, *Barcelona, Spain* (Demo)
8. [Regularizing Text Categorization with Clusters of Words](#)
K. Skianis, F. Rousseau, M. Vazirgiannis
EMNLP 2016, *Austin, USA* (Full)
9. [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)
10. [Graph-Based Term Weighting for Text Categorization](#)
F. Malliaros, K. Skianis
Someris, ASONAM 2015, *Paris, France* (Workshop)

REVIEWS

- 2018: NIPS, WWW, EMNLP, ECML-PKDD
- 2017: AAAI, LLD workshop @NIPS, EMNLP
- 2016: AAAI, WSDM, IC²S²

COMPETITIONS

2nd place, Fintech Crowdhackathon **April 2016**
Our team (RSK project) is the 2nd winner in the Fintech Crowdhackathon organized by the National Bank of Greece. We made a platform to detect fraud e-transactions based on Deep Learning.

2nd place, DREEM challenge (inclass Kaggle) **January 2015**
DREEM introduces a way to increase the duration and quality of deep sleep.

6th place, Data Mining Cup **July 2013**
Our team from the Department of Computer Science (AUEB) was placed 6th among the world's top universities in the DMC 2013 competition, that was held in Berlin, Germany.

TECHNICAL SKILLS

Coding	Java, Python, SQL, Assembly(MIPS), PHP, Javascript, D3js, L ^A T _E X
Tools	Keras, Tensorflow, PyTorch, Spark, Hadoop
IDEs	Eclipse, NetBeans, Visual Studio
Systems	GNU/Linux, Microsoft Windows, Mac OSX
Applications	Matlab, Octave, Weka

ADDITIONAL INFORMATION

Languages	Greek - Native tongue English- Fluent(Proficiency) German - Very good(Zertifikat) French - Beginner
Affiliations	Member of DaSciM team , École Polytechnique Member of DB-net team , AUEB