

Office 1071
Alan Turing building
kskianis@lix.polytechnique.fr

Konstantinos Skianis
Ph.D. Candidate, École Polytechnique
www.lix.polytechnique.fr/~kskianis/

contact: +33 660780134
+30 6977456112
Skype: kostas.skianis

RESEARCH
INTERESTS

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

EDUCATION

École Polytechnique, Palaiseau, France

Ph.D. Candidate, September 2015 (expected graduation date: September 2018)

- Topic: “Representations, Regularization and Visualization for text and graph data”
- Advisor: Professor Michalis Vazirgiannis
- 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. [GraKel: Graph Kernels in Python](#)
G. Nikolentzos, I. Siglidis, S. Limnios, C. Giatsidis, K. Skianis, M. Vazirgiannis
arXiv 2018
2. [Fusing Document, Collection and Label Graph-based Representations with Word Embeddings for Text Classification](#)
K. Skianis, F. Malliaros, M. Vazirgiannis
TextGraphs, NAACL 2018, New Orleans, USA
3. [Kernel Graph Convolutional Neural Networks](#)
G. Nikolentzos, P. Meladianos, A. J.-P. Tixier, K. Skianis, M. Vazirgiannis
arXiv 2017
4. [Data Management for the World Wealth & Income Database](#)
K. Skianis, M. Vazirgiannis, L. Chancel, T. Piketty
ParisBD 2017, Paris, France

5. [SpreadViz: Analytics and Visualization of Spreading Processes in Social Networks](#)
K. Skianis, MEG. Rossi, F. D. Malliaros, M. Vazirgiannis
ICDM 2016, *Barcelona, Spain* (Demo paper)
6. [Regularizing Text Categorization with Clusters of Words](#)
K. Skianis, F. Rousseau, M. Vazirgiannis
EMNLP 2016, *Austin, USA* (Full paper)
7. [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 paper)
8. [Graph-Based Term Weighting for Text Categorization](#)
F. Malliaros, K. Skianis
Someris, ASONAM 2015, *Paris, France* (Workshop paper)

REVIEWS

- World Wide Web Conference(WWW) 2017
- Web Search and Data Mining(WSDM) 2017
- Association for the Advancement of Artificial Intelligence(AAAI) 2016, 2017
- International Conference on Computational Social Science 2016

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 to ensure optimal performances.

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.

Top 25%, Amazon.com - Employee Access Challenge **June 2013**
Kaggle

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