

Nikolaos E. Panagiotou

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Profile

I am a Ph.D candidate in the field of Data Mining highly interested in scalable applications of Machine Learning in large data streams.

Education

2014-Present	National and Kapodistrian University of Athens Ph.D Candidate in Data Mining Thesis: Data Analysis from Social Media and Massive Streams Advisor: Prof. Dimitrios Gunopulos
2012-2013	University of Edinburgh MSc with Distinction in Artificial Intelligence, GPA 7.15/10 Specialization Area: Learning from Data (Machine Learning) Thesis: Predicting Trending Topics in Twitter Informatics Research Review: Scalable Recommender Systems
2007-2011	National and Kapodistrian University of Athens BSc in Informatics and Telecommunications, GPA 7.80/10 (2:1) Specialization Area: Information Systems Thesis: Development of Collaborative Tools Supporting Interaction Analysis and Visualization for the Adaptive e-learning Platform MyProject

Publications

First Story Detection using Entities and Relations

Panagiotou, N., Akkaya, C., Tsioutsoulouklis, K., Kalogeraki, V., & Gunopulos, D. COLING 2016.

Intelligent urban data monitoring for smart cities

Panagiotou, N., Zygouras, N., Katakis, I., Gunopulos, D., Zacheilas, N., Boutsis, I., Kalogeraki, V., Lynch, S. and OBrien, B. ECML 2016.

Towards Detection of Faulty Traffic Sensors in Real-Time

N. Zygouras, N. Panagiotou, N. Zacheilas, I. Boutsis, V. Kalogeraki, I. Katakis, D. Gunopulos. MUD@ICML 2015: 53-62

Elastic Complex Event Processing exploiting Prediction

N. Zacheilas, V. Kalogeraki, N. Zygouras, N. Panagiotou, D. Gunopulos. IEEE Int. Conf. on Big Data 2015.

Detecting Events in Web 2.0 Data: Definitions, Challenges and Trends

N. Panagiotou, I. Katakis, D. Gunopulos, to appear, Springer.

Professional Experience

Dec 2015– Present	Researcher at VaVeL E.U. funded project Horizon 2020 EU project focusing on data mining techniques for smart cities. Actively participated in the system implementation and responsible for the various components integration.
Sept 2013– Mar 2016	Software Engineer at KORIMVOS S.A. Participated on the ARETEUS project mainly responsible for the implementation of a Smart-Card application for the National Center of Diabetes using the Javacard technology. Also, implemented a plagiarism detection system for project proposals in the Greek language utilizing locality sensitive hashing techniques.
Mar 2014– Aug 2015	Researcher at INSIGHT E.U. funded project Actively participated on the implementation of the INSIGHT system that aims on the real-time disastrous event detection. Streaming sources included Twitter, Bus GPS data as well as static highway sensors named SCATS. The end product is currently used by the Dublin City Council.
July 2014	Student at Cognitive Systems and Interactive Robotics, Data and Content Analysis Summer School Summer school hosted by the National Center for Scientific Research “Demokritos”. Participated to a team-project related to incentives that could stimulate users to use more renewable energy when it is expected to be available. Mainly responsible for the energy consumption forecasting modules. Team received the 2 _{nd} place award among 13 teams.
Oct 2011– Jul 2012	Soldier at Hellenic Army, Battalion of Land Minefield Clearing Compulsory military service under the Hellenic Army. Specialization of minesweeper. Responsibilities included camp security services. Also member of the IT Helpdesk.
Feb 2011 – Sept 2011	e-Content Developer at KORIMVOS S.A. Liferay Portal 6 administration and content development. Also actively participated on content development using HTML and CSS for the platform Digital School hosted under the Ministry of Education.
Sept 2009– Dec 2009	Helpdesk at Network Operations Center, University of Athens Responsible for the administration of the e-mail accounts for postgraduate students.

Technical Skills

Programming	Java, Python, C++(BOOST,STL)
Web Technologies	JSP, Servlets, Apache Tomcat, PHP, Semantic Web, RDF(S), SPARQL
Scientific Languages	Matlab, R
Databases	MySQL, MongoDB, Virtuoso
Parallel Computing	OpenMP, MPI
Cloud Computing	Hadoop, Map-Reduce, AWS, Okeanos IaaS
Operating Systems	Unix, Linux, Windows
Other	Microsoft Office, L ^A T _E X

Languages

Greek	Native Language
English	Michigan Proficiency Certificate (ECPE), IELTS

Certifications

Vellum Global	Object Oriented Programming - Java Certificate
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References

Available on request