

Zygouras Nikolaos

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Nationality: Greek

1. Education

<i>2014-today</i>	National & Kapodistrian University of Athens Supervisor: Prof. Dimitrios Gunopulos Ph.D. Candidate in Computer Science, Dept. of Informatics & Telecom. Area: “Mining Mobility Data”
<i>2011- 2012</i>	University of Edinburgh Msc Artificial Intelligence
<i>2005-2010</i>	University of Patras, Greece Diploma in Computer Engineering and Informatics (honors degree),
<i>2005</i>	Varvakeio High School, Athens

2. Special Knowledge of Informatics

<i>Languages:</i>	Java, C, C++, Python
<i>Web Development:</i>	PHP, html, css, javascript
<i>Mathematical Tools:</i>	Matlab, R, Octave
<i>Databases:</i>	mySQL, SQLite, MongoDB
<i>Platforms:</i>	Microsoft Windows and Linux, Eclipse IDE, NetBeans IDE
<i>Machine Learning Tools:</i>	Weka, Netlab, Gaussian Processes
<i>CEP Tools:</i>	Esper
<i>Stream Processing Frameworks:</i>	Storm, TUD-Streams

3. Publications

- Nikolaos Zygouras, Dimitrios Gunopulos: **Corridor Learning Using Individual Trajectories**. In Mobile Data Management (MDM), 2018 19th IEEE International Conference on. IEEE. (to appear)
- Dimitrios Tomaras, Vana Kalogeraki, Nikolas Zygouras, Nikolaos Panagiotou, Dimitrios Gunopulos: **Evaluating the Health State of Urban Areas using Multi-source Heterogeneous Data**. In A World of Wireless, Mobile and Multimedia Networks (WoWMoM), 2018 IEEE 19th International Symposium on. IEEE. (to appear)
- Nikolaos Zygouras, Dimitrios Gunopulos: **Discovering Corridors From GPS Trajectories**. SIGSPATIAL/GIS 2017: 61:1-61:4
- Dimitrios Tomaras, Vana Kalogeraki, Nikolas Zygouras, Dimitrios Gunopulos: **An efficient technique for event location identification using multiple sources of urban data**. LocalRec@SIGSPATIAL 2017: 5:1-5:10
- Nikolaos Panagiotou, Nikolas Zygouras, Ioannis Katakis, Dimitrios Gunopulos, Nikos Zacheilas, Ioannis Boutsis, Vana Kalogeraki, Stephen Lynch, Brendan O'Brien: **Intelligent Urban Data Monitoring for Smart Cities**. ECML/PKDD (3) 2016: 177-192.
- Nikos Zacheilas, Nikolas Zygouras, Nikolaos Panagiotou, Vana Kalogeraki, Dimitrios Gunopulos: **Dynamic Load Balancing Techniques for Distributed Complex Event Processing Systems**. DAIS 2016: 174-188.
- Nikolaos Panagiotou, Nikolas Zygouras, Ioannis Katakis, Dimitrios Gunopulos, Nikos Zacheilas, Ioannis Boutsis, Vana Kalogeraki, Stephen Lynch, Brendan O'Brien, Dermot Kinane, Jakub Marecek, Jia Yuan Yu, Rudi Verago, Elizabeth Daly, Nico Piatkowski, Thomas Liebig, Christian Bockermann, Katharina Morik, François Schnitzler, Matthias Weidlich, Avigdor Gal, Shie Mannor, Hendrik Stange, Werner Halft, Gennady L. Andrienko: **INSIGHT: Dynamic Traffic Management Using Heterogeneous Urban Data** . ECML/PKDD (3) 2016: 22-26.
- Nikolaos Zygouras, Nikolaos E Panagiotou, Nikos Zacheilas, Ioannis Boutsis, Vana Kalogeraki, Dimitrios Gunopulos: **An Active Learning Framework Incorporating User Input For Mining Urban Data** . UrbComp 2016
- Nikos Zacheilas, Vana Kalogeraki, Nikolas Zygouras, Nikolaos Panagiotou, and Dimitrios Gunopulos, **Elastic Complex Event Processing exploiting Prediction**. In Big Data (Big Data), 2015 IEEE International Conference.
- Zygouras N., Zacheilas N, Kalogeraki V., Kinane D., Gunopulos D. **Insights on a Scalable and Dynamic Traffic Management System** in Proc. of 18th EDBT, Brussels, Belgium, March 2015(accepted)
- Kinane D., Schnitzler F., Mannor S., Liebig T., Morik K., Marecek J., Gorman B., Zygouras N., Katakis Y., Kalogeraki V., Gunopulos D. [Intelligent Synthesis and Real-time Response using Massive Streaming of](#)

[Heterogeneous Data \(INSIGHT\) and its anticipated effect on Intelligent Transport Systems \(ITS\) in Dublin City, Ireland](#). In Proceedings of the 10th ITS European Congress, Helsinki, 2014.

- Theodoromanolakis P, Zygouras N, Mantas J, **First aid manual in an android environment**, Studies in Health Technology and Informatics [2013, 190:163-165]

4. Professional Experience

2013-2015	Software Developer/Researcher in EU funded project INSIGHT
2016-present	Software Developer/Researcher in EU funded project VaVeL

5. Teaching Assistant

2013-2014	Design of Databases
2014-2015	Software Development for Algorithmic Problems
2014-2015	Computational Geometry

6. Additional Details

- Fulfilled Military Obligations (11/10-08/11)
- Reference Letters Available Upon Request