Dimitrios N. Kotsakos
Curriculum Vitae

PERSONAL INFORMATION:

Name	Dimitrios N. Kotsakos
Date of Birth	15/6/1984
Occupation	Computer Scientist and Researcher
Military Obligations	Fulfilled
email	dimkots@di.uoa.gr
Phone Number	+30 210 80 65 284, +30 6948 57 21 54

EDUCATION:

April 2009 – today	**Ph.D. Candidate** Supervisor: **Prof. Dimitrios Gunopulos** Dept. of Informatics and Telecommunications National & Kapodistrian University of Athens Area: **"Time Series Data Mining"** (Supported by the Heracleitus II Fellowship, co-funded by the European Union and the Greek Ministry of Education)
October 2007 – January 2010	**M.Sc. in "Advanced Information Systems"** Dept. of Informatics and Telecommunications National & Kapodistrian University of Athens GPA: **9.50/10** (top 1%)
October 2002 – October 2007	**B.Sc. in "Informatics and Telecommunications"** National & Kapodistrian University of Athens GPA: **8.36/10** (top 5%) Orientation: Computer Systems and Applications
1996-2002	**German School of Athens** Deutsches Abitur grade: **18/20**

RESEARCH INTERESTS:
- Time-series Clustering and Classification
- Information Retrieval on Textual Data
- Trajectory Similarity and Moving Objects Data Mining

PUBLICATIONS:

- Dimitrios Kotsakos, Goce Trajcevski, Dimitrios Gunopulos and Charu C. Aggarwal, (2013), **"Time Series Data Clustering"**, book chapter in **Data Clustering: Algorithms and Applications**: 357–376, in printing.
- Dimitrios Kotsakos, Theodoros Lappas, Dimitrios Kotzias and Dimitrios Gunopulos, "**A Burstiness-Aware Approach for Document Dating"**, under submission.
- T. Lappas, B. Arai, M. Platakis, D. Kotsakos and D. Gunopulos, **"On Burstiness-Aware Search for Document Sequences"**, Proc. of the 15th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2009**), pp. 477–486, Paris, France, July, 2009.
- M. Platakis, D. Kotsakos and D. Gunopulos, **"Searching for Events in the Blogosphere"**, Proc. of the 18th International World Wide Web Conference (**WWW 2009**), pp.1225–1226, Madrid, Spain, April 2009.
- M. Platakis, D. Kotsakos and D. Gunopulos, **"Discovering Hot Topics in the Blogosphere"**, Proc. of EUREKA 2008, 2nd Panhellenic Scientific Student Conference on Informatics, Related Technologies and Applications, pp. 122–132, **Best Paper Award**.
- Odysseas Sekkas, Damien Piguet, Christos Anagnostopoulos, Dimitrios Kotsakos, George Alyfantis, Corinne Kassapoglou-Faist and Stathes Hadjiefthymiades, **"Probabilistic Information Dissemination for MANETs: the IPAC Approach"**, Proc. of the 20th CNIT Tyrrhenian International Workshop on Digital Communications (Tyrrhenian 2009), Sardinia, Italy, September, 2009.

PROFESSIONAL EXPERIENCE:

September 2012 – today   **Software Developer|Researcher** in
- ARISTEIA project **MMD (Mining Mobility Data)**
- EU funded project **INSIGHT**

September 2010 – June 2011   **Database Administrator** at Hellenic Navy, Electronic Data Processing Center

March 2010 – June 2010   **Research Intern** at **Telefonica**, Madrid, Spain
Implemented a Web Crawler in Python and participated in the design of a recommendation system for maximizing future influence using social context and textual information.

January 2009 – February 2010   **Software Developer|Researcher** in EU funded project **SemsorGrid4Env**
Implemented part of the Data Management Layer that was dealing with sampling and outlier detection algorithms applied on streaming data collected by wireless sensor networks.

July 2009 – June 2010   **Vice-President of the Alumni Association**
June 2012 – today   Dept. of Informatics and Telecommunications, NKUA

May 2008 – December 2008   **Software Developer|Researcher** in EU funded project **IPAC**
Implemented simulation scenarios dealing with autonomic computing and communications. The scenarios mainly included epidemical spreading algorithms in mobile, ad-hoc networks.

September 2007 – May 2008   **Software Developer|Researcher** in EU funded project **Geant2**

TECHNICAL KNOWLEDGE:

- Very good programming skills in Java, C/C++. Experience in UML, Design Patterns, Python, R

ACADEMICS:

- Member of **Data, Information and Knowledge Management Group**
  Dept. of Informatics and Telecommunications, NKUA
- Member of **Pervasive Computing Research Group**
  Dept. of Informatics and Telecommunications, NKUA
- **Part-time Instructor & Teaching Assistant:** "Software Development (B+-tree based DBMS)"
  (2007-2010)
- **Teaching Assistant:** "Object Oriented Programming", "Operating Systems", "Systems
  Programming", "Data Mining Techniques" (2007-2010)
- **Laboratory Instructor:** "Introduction to Programming" (2007-2010)

FOREIGN LANGUAGES:

- **German** (fluent), **English** (fluent), **Spanish** (beginner)

SELECTED WORK:

1. Co-Developer of **"Query Optimization and Concurrency Control Module for a DBMS"**
   Graded: 100% in graduate course "Advanced Database Systems", Prof. Alex Delis
2. Project Manager and Co-Developer of **"Tom Rates: Twitter Opinion Miner"**
   Graded: 100% in graduate course "Advanced Database Applications", Prof. Yannis Ioannidis
3. **"Adaptive Epidemic Algorithms for Information Dissemination in Wireless Sensor Networks"** , **M.Sc.
   Thesis**, Graded: 100%, Prof. Stathes Hadjiefthymiades
4. **"Knowledge Representation and Fuzzy Reasoning on Medical Context"** , **B.Sc. Thesis**, Graded: 100%,
   Prof. Stathes Hadjiefthymiades
5. Project Manager and Co-Developer of **"iDRaQuLa: ISAM-based five-level DBMS"**
   Graded: 100% in undergraduate course "Software Development", Prof. Yannis Ioannidis
6. Co-Developer of **"COPIA: COP k-means Implementation and Analysis"**
   Graded: 100% in undergraduate Course "Data Mining Techniques", Prof. Dimitrios Gunopulos