Antonia Saravanou • Curriculum Vitæ

PERSONAL INFORMATION

Date of Birth	February 2, 1990	Phone	0030 6973935196
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EDUCATIONAL BACKGROUND

Nov. 2014 – Now **Ph.D. Student in Data Mining**, Dept. of Informatics and Telecommunications, University of Athens
Advisor: Prof. Dimitrios Gunopulos

Nov. 2012 – Oct. 2014 **M.Sc. in Advanced Information Systems**, Dept. of Informatics and Telecommunications, University of Athens
G.P.A.: 8.73 / 10 Highest Distinction (Arista) (ranked 2nd of graduating class)

M.Sc. Thesis: *Data Mining on Social Media to Detect Events and Disasters.* Advisor: Prof. Dimitrios Gunopulos

Oct. 2007 – Oct. 2012 **B.Sc. In Computer Science**, Dept. of Informatics and Telecommunications, University of Athens
Specialization: Computer Systems and Applications
G.P.A.: 8.00 / 10 (top 10% of graduating class)

B.Sc. Thesis: *Product Review Summarization.* Advisor: Prof. Dimitrios Gunopulos

PUBLICATIONS

2016	*Event Detection on Social Media Streams* **A. Saravanou**, D. Gunopulos	Machine Learning Summer School
2015	*Twitter Floods when it Rains: A Case Study of the UK Floods in early 2014* **A. Saravanou**, G. Valkanas, D. Gunopulos, G. Andrienko	Social Web for Disaster Management, WWW
	Stürme und Hochwasser in Social Media S. Steenhoek, G. Adrienko, N. Adrienko, I. Katakis, **A. Saravanou**, G. Valkanas, D. Gunopulos, G. Fuchs, H. Stange	Crisis Prevention, magazine
	Data Mining on Social Media to Detect Events and Disasters **Antonia Saravanou**, Dimitrios Gunopulos	Selected Theses of Master Students UoA
2014	*A Faceted Crawler for the Twitter Service* G. Valkanas, **A. Saravanou**, D. Gunopulos	WISE
2013	*Product Review Summarization* **Antonia Saravanou**, Dimitrios Gunopulos	Selected Theses of Bachelor Students UoA

PROFESSIONAL AND RESEARCH EXPERIENCE

Oct. 2010 – Now **Research Assistant** at the Knowledge Discovery in Databases Laboratory (KDD Lab UoA), advised by Professor Dimitrios Gunopulos. I have designed and implemented various algorithms (in Java/Python) mostly around the area of text, graph and web mining, including text processing, summarization and event/trend detection on social media streams.

Dec. 2016 – Now **Software Engineer and Research Assistant** in the VaVeL project funded by the E.U.

Jan. 2013 – Now **Management and Administration** of an svn server for INSIGHT and VaVeL projects.

Jan. 2013 – Sep. 2015 **Software Engineer and Research Assistant** in the INSIGHT project funded by the E.U.. We worked towards combining differentiated heterogeneous data from a smart city in order to recognize traffic and emergencies. More specifically I worked on visualizing different emotions on a map, given the text and the coordinates of a tweet in order to detect a disaster, such as floods.

Software Engineer and Research Assistant in the MDD project (Mining Mobility Data) co-funded by the E.U. and the Greek Government. We worked towards implementing data sampling techniques and outlier detection algorithms in streaming data collected by sensors.

June 2013 – Now **Member** of the scientific student committee of the task force Human-Computer Interaction and Knowledge Discovery/Data Mining HCI-KDD. Advised by Prof. Gunopulos and Prof. A. Holzinger

RESEARCH INTERESTS

Data Mining, Social Network Analysis, Web, Text and Graph Mining, Natural Language Processing, Machine Learning, Deep Learning, Information Retrieval and Information Extraction

SUMMER SCHOOLS

May 2016 Attended the Machine Learning Summer School (MLSS 2016), May 11-21, Cadiz, Spain.

July 2011 Attended the Hellenic Artificial Intelligence Summer School (HAISS 2011), Patra, Greece.

CONFERENCES

August 2016	Attended and presented at the ASONAM 2016, San Fransisco, CA, USA.
August 2016	Attended and volunteered at the ACM SIGKDD 2016, San Fransisco, CA, USA.
May 2015	Attended the 24th World Wide Web Conference WWW 2015, Florence, Italy.
Oct. 2014	Attended the 15th on Web Information System Engineering WISE 2014, Thessaloniki, Greece.
July 2014	Attended the 12th Hellenic Data Management Symposium HDMS 2014, Athens, Greece.
June 2013	Attended and presented at SouthCHI 2013, Maribor, Slovenia.
Sep. 2011	Attended and volunteered at the ECML PKDD 2011, Athens, Greece.

TEACHING EXPERIENCE

Fall 2016-17, Spring 2013–14, Spring 2012–13	Coursework/Lab Instructor & Grader for the undergraduate course "*Database Systems Implementation*", teached by Professor Dimitrios Gunopulos and Professor Yannis Ioannidis Teaching Assistant Leader for winter 2016-17
Fall 2016-17, Fall 2015–16	Coursework/Lab Instructor & Grader for the graduate course "*Big Data Analysis Techniques*", teached by Professor Dimitrios Gunopoulos
Spring 2015–16, Spring 2014–15	Coursework Instructor & Grader for the undergraduate course "*Design and Use of Database Systems*", teached by Professor Dimitrios Gunopulos 2015 and Professor Yannis Ioannidis 2014
Spring 2015-16, Fall 13–14, 12–13	Coursework/Lab Instructor & Grader for the undergraduate course "*Data Mining*", teached by Professor Dimitrios Gunopoulos
Fall 2014–15	Coursework/Lab Instructor & Grader for the undergraduate course "*Software Development*", teached by Professor Yannis Ioannidis
Fall 2014–15, Fall 2012–13	Coursework/Lab Instructor & Grader for the undergraduate course "*Artificial Intelligence*", teached by Prof. Panagiotis Stamatopoulos in 2014 and Prof. Manolis Koubarakis in 2012
Spring 2012–13	Supervisor of an undergraduate student team for the course "*Software Engineering*", teached by Professor Yannis Smaragdakis
Fall 2011–12	Lab Instructor & Grader for the undergraduate course "*Human-Computer Interaction*", teached by Professor Yannis Ioannidis

DISTINCTIONS / MISC

June 2016	ACM SIGKDD Student Travel Award
Feb. 2016	Selected to attend the Machine Learning Summer School in Cadiz, Spain
June 2011	Student Scholarship for the 2nd Hellenic Artificial Intelligence Summer School, HAISS-11
2001 – 2007	Honors and Awards in High School, each year
2004	Passed in 2nd phase of the Hellenic Mathematical Society (ΘΑΛΗΣ) for the European Mathematical Olympiad
March 2005	Participated in AMUN as an ambassador, Athens Model United Nations, Deutshe Schule Athen
Nov. 2003	Participated in TMUN as a delegate, Thessaloniki Model United Nations, Anatolia College
Sept. 2011 – 2012	Online courses from Coursera: NLP, Machine Learning, Artificial Intelligence, Databases
External Reviewer	CIKM 2015, WSDM 2014, HCI-KDD 2014, SIGMOD 2014, ASONAM 2013, COPEM 2013

TECHNICAL SKILLS

Programming	Java, Python, C, C++, JavaME, Prolog	Scripting	Bourne/Bash shell
Web Technologies	HTML, CSS, PHP, JSP, Javascript, Ajax	Query Languages	SQL (MySQL)
Other	WEKA, Lucene, STL, Visual Analytics Tool, CGAL, OpenGL, Nagios, LaTeX, Assembly, Matlab		

LANGUAGES

Greek	Native	
English	Fluent	(Certificate of Proficiency in English, University of Michigan, 2010)
French	Intermediate	(Diplôme d'études en langue française 1er Degré, DELF B1, 2006)