

Vasileios Lamos

Curriculum Vitae

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Personal Information

Full Name (First / Last)	Vasileios Lamos
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Education & Research

My fields of expertise are mostly driven by the general branch of Artificial Intelligence and include but are not restricted to Statistical Analysis and Learning, Probabilistic Graphical Models, Data Mining, Text and Sentiment Analysis. During my MSc I have also been taught the basic principles of Cryptography (but this was 3.5 years ago).

Oct. 2008 – Present: **Ph.D.** Student at Computer Science Department, Faculty of Engineering, University of Bristol, UK advised by Prof. Nello Cristianini. Now in writing-up status. Expected Thesis submission date: Mid-February 2012.

Ph.D. Thesis Title: “**Detecting Events in Large-Scale User Generated Textual Streams With Statistical Learning Methods**”

Member of PASCAL2 Network of Excellence (EU funded Project), Pattern Analysis and Intelligent Systems Research Group & Intelligent Systems Laboratory (University of Bristol)

My work has been featured in several science or mainstream **media** such as MIT Technology Review, New Scientist, Science Daily, BBC Radio, ITV and so on (here are some media references featuring my latest work: <http://goo.gl/5xXJG>).

You might also be interested to check **Flu Detector** (<http://goo.gl/OUK1>), a demonstration of my findings. Every day Flu Detector uses more than a million tweets to infer flu rates in several UK regions.

More – informal – information about my Research is available at <http://www.lamos.net/research>

Sept. 2007 – Sept. 2008: **M.Sc.** in Advanced Computing – Internet Technologies with Security, Computer Science Department, University of Bristol, UK

M.Sc. Thesis Title: “**Weather Talk – extracting weather information by text mining**” – more information on my thesis can be found at <http://goo.gl/nm3BI>

Graduated with Distinction, ranked 1st in class. **GPA:** 78.22%.

Sept. 2001 – July 2007: Graduate student, Computer Engineering & Informatics Department, University of Patras, Greece. **GPA:** 76.3%.

Languages

- ∞ **Greek** (native language)
- ∞ Proficient in **English**
 - ✓ Studying and living in the UK since September 2007
 - ✓ Internet Based Test of English as a Foreign Language (TOEFL - iBT, June 2007, score: 101/120)
 - ✓ Certificate of Proficiency in English (ECPE), University of Michigan
- ∞ Was good in **German** (but haven’t used this language for more than 10 years)
 - ✓ Zentrale Mittelstufenprüfung (ZMP), Goethe Institut
 - ✓ Zertifikat Deutsch als Fremdsprache (ZD), Goethe Institut

Work Experience

Oct. 2008 – June 2011: **Teaching Assistant** (TA) at the University of Bristol. During my time as a Ph.D. student, I also worked as a contracted TA in several courses (see Table 1). Within my duties was to plan assignments (or projects), to supervise and/or assist students in the labs and to mark their assignments.

Table 1 – Teaching Assistant at University of Bristol

Course	Students attending	Dpt.	For the academic year(s)	Tasks
Introduction to Artificial Intelligence (EMAT31530)	3 rd year	Engineering Mathematics	2008/09, 2009/10, 2010/11	Planning assignments, Supervising labs & Marking
Data Analysis (EMAT20210)	2 nd year	Engineering Mathematics	2009/10, 2010/11	Supervising labs & Marking
Pattern Analysis and Statistical Learning (EMATM1400)	MSc & 4 th year	Engineering Mathematics	2009/10, 2010/11	Marking Only
Advanced Topics in Machine Learning and Data Mining (COMSM0204)	MSc & 4 th year	Computer Science	2008/09	Marking Only

Awards / Distinctions / Funding

- ∞ June 2010: **Best Paper Award** for my paper “Tracking the flu pandemic by monitoring the Social Web” presented in CIP 2010, Elba Island, Italy
- ∞ Oct. 2008: **DTA Scholarship for Ph.D. Studies**, Computer Science Department, University of Bristol. My Ph.D. was partially funded by **NOKIA Research** as well.
- ∞ Sep. 2008: **M.Sc. with Distinction**

Technical Skills

Since I've been around computers and software for most of my lifetime, I can easily adapt and learn anything new around them.

- ∞ **Programming / Scripting / Typesetting Languages:** Very good in Java, HTML/CSS, MATLAB coding, PHP, good in C, Javascript, Shell Scripting, LaTeX and so on. Here is a web page with programming samples of mine taken from my M.Sc. projects <http://www.lampos.net/programming>
- ∞ **Databases:** MySQL (extensive use) and Oracle
- ∞ **Operating Systems:** Windows (any edition/type), Linux (in the past Debian, but in the last four years CentOS, *i.e.* Red Hat, due to University regulations), not scared by command prompts
- ∞ **Frameworks / Software / Libraries:** Adobe Acrobat Professional, Apache HTTP Server / Lucene / Mahout / Tomcat, Aptana, Bayes Net Toolbox (Probabilistic Graphical Models in MATLAB), Drupal CMS, GIMP, git, Eclipse, MATLAB, OpenOffice, MS Office, Netbeans, Senti-WordNet (Sentiment Analysis), Stanford Part of Speech (POS) Tagger and so on
- ∞ **Websites:** Apart from designing and maintaining my personal website <http://lampos.net>, I have created several others including:
 - ✓ Pattern Analysis & Intelligent Systems Group, <http://patterns.enm.bris.ac.uk/>
 - ✓ See A Pattern Blog, <http://see-a-pattern.org>
 - ✓ Intelligent Systems Laboratory, <http://intelligentsystems.bristol.ac.uk>
 - ✓ Flu Detector, <http://geopatterns.enm.bris.ac.uk/epidemics/>
 - ✓ Mood of Nation, <http://geopatterns.enm.bris.ac.uk/mood/>Having a prettified layout was not a priority in the above websites.

Attendances

- ∞ Oct. 2008: Workshop on **Modelling Cognitive Behaviour II** (Bristol, UK)
- ∞ Feb. 2009: Skill Developing Session – **Version Control using Subversion** (Advanced Computing Research Centre, University of Bristol, UK)
- ∞ March 2009: Skill Developing Session – **Profiling, Optimisation and Acceleration of MATLAB code** (Advanced Computing Research Centre, University of Bristol, UK)
- ∞ April 2009: Workshop on **Integrated Uncertainty Modelling for Decision Making** (Bristol, UK)
- ∞ May 2009: Workshop – **Bristol Algorithm Days** (Bristol, UK)
- ∞ July 2009: Workshop on **Complex Systems and Networks** (Bristol, UK)
- ∞ Sept. 2009: Workshop on **Mathematical Modelling of Epidemics** (Bristol, UK)

- ∞ Sept. 2009: Summer School – **The Analysis of Patterns** (Pula Science Park, Cagliari, Italy)
- ∞ Nov. 2009: Workshop on **Modelling Cognitive Behaviour III** (Bristol, UK)
- ∞ June 2010: Conference – **Cognitive Information Processing** (Elba Island, Italy), where I presented the paper “Tracking the flu pandemic by monitoring the Social Web”
- ∞ Sept. 2010: Conference – **European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases** (Barcelona, Spain), where I presented the paper “Flu Detector – Tracking Epidemics on Twitter”

I have also attended numerous research oriented talks or presentations for general purpose topics.

Extra-Curricular or Voluntary Activities

- ∞ **Radio Shows**
 - ✓ Oct. 2004 – July 2006: Radio Producer at Sport Fm Patras 96.3 (Patras, Greece) running the show ‘Rock the Night’
 - ✓ Feb. 2004 – June 2004: Radio Producer at Radio Porto 96.3 (Patras, Greece) running the show ‘Low Frequencies’
- ∞ Envisioned (together with Takis Tsiatsis) and **organised the first Artware Festival** that took place in 18–19 of May 2006. The purpose of Artware Festival (its name was derived by combining the words Art, Software and Hardware) was to prove that Computer Science people are not artistically isolated ‘nerds’. The festival was a success and the University decided to fund it on a yearly basis. Now, it has become a major annual event of the Computer Science Department and the University of Patras, Greece (<http://www.artwarefestival.com/2011/>).
- ∞ **Reviewer** or Program Committee Member in several Conferences or Workshops, namely ECML PKDD 2009, IAPWNC 2009, ACM SIGKDD 2009 and WAPA 2010.