

# Jason Filippou

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## Personal Statement / Objective

PhD student / graduate assistant at the University of Maryland, working under the supervision of Dr. Larry Davis. Specialized in **Computer Vision** and **Probabilistic Graphical Models**, with application on action recognition from video. Developed a **symbolic reasoning system** based on **probabilistic logic programming** to detect human group activities on a benchmark video dataset. Proficient in multiple programming paradigms, including **object-oriented, scripting, logical and numerical**. Currently interested in a challenging **research-based Summer 2015 internship** with the goal of publishing material in a top-tier Computer Vision or Machine Learning conference.

## Educational Record

- **PhD student**, Computer Science Department, University of Maryland, College Park, USA. August 2012 - present day. Academic advisor: Dr. Larry S. Davis. Expected gradation: May 2017.
- **MSc Graduate**, Computer Science Department, University of Maryland, College Park, USA. GPA: 3.769 / 4.00. August 2012 - December 2014. Coursework focus areas: Computer Vision & Machine Learning.
- **BSc Graduate**, Department of Computer Science and Telecommunications, University of Athens, Greece. GPA: 8.22 / 10 (3.288 / 4.0). September 2006 - July 2012. Thesis title: *A probabilistic dialect of the Event Calculus*.

## Publications

- Anastasios Skarlatidis, Alexander Artikis, Jason Filippou and Georgios Paliouras: **A Probabilistic Logic Programming Event Calculus**. *Special Issue on Probability, Logic and Learning of Theory and Practice of Logic Programming (TPLP)*, 2014 ([PDF](#))

## Invited Talks

- **7th Hellenic Conference on Artificial Intelligence** (SETN 2012), 05-30-2012. Co-presentation of tutorial on Complex Event Processing ([link](#)).

## Employment Record

- **Graduate Teaching & Research Assistant**, Computer Science Department, University of Maryland, August 2012 - present day. Courses taught:
  - CMSC420: “**Data Structures**”, 2014 spring semester. Chief instructor: Dr. Larry S. Davis.
  - CMSC131: “**Introduction to Object Oriented Programming**”, 2012-13 fall & spring semesters. Chief instructors: Drs. Jandelyn Plane and Evan Golub.
- **Research Associate**, Complex Event Recognition group, NCSR Demokritos, July 2011 - July 2012. Advised by: Drs. George Paliouras and Alex Artikis.
- **Junior Software Developer**, Energa Power Trading S.A, April - June 2011.

## Awards / Fellowships

- John D. Gannon Conference Travel Award, Computer Science Department, University of Maryland (2013). Total sum: \$1,500.
- University of Maryland Dean’s Fellowship, 2012-14. Total sum: \$4,000.
- University of Maryland PhD Fellowship, 2012-17. Total annual sum: \$20,500 with tuition remission.

## Technical Skills

- Very strong programming capacity:
  - **Systems**: C/C++.
  - **Applications**: Java, C#, VB.NET.
  - **Numerical / Scientific**: MATLAB, GNU Octave, NumPy.
  - **Scripting**: Python (beyond NumPy), bash, awk.
  - **Web Development / Databases**: (x)HTML, CSS, PHP, MySQL.
  - **AI**: Prolog, MLNs (Alchemy)

Last Modified: January 1, 2015