

# Curriculum Vitae

## PERSONAL INFORMATION

Asimina Marmpena

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## EDUCATION AND TRAINING

October 2012 – February 2015  
(expected)

**MSc in Informatics for Life Sciences**

(expected)

University of Patras, Greece

- Neuroinformatics specialization
- Machine Learning, Arithmetic Analysis, Biostatistics, Stochastic Systems, Graph Theory
- Cell Biology, Genomics, Physiology & Anatomy, Pharmacology

October 2006 – June 2012

**BSc in Computer Science**

7.29 / 10

Hellenic Open University, Greece

[http://www.eap.gr/pli\\_en.php](http://www.eap.gr/pli_en.php)

September 1998 – June 2001

**Diploma in Translation Studies**

79 / 100

Athens Metropolitan College, Greece

“Spoken English for Industry and Commerce” *London Chamber of Commerce & Industry*  
“MANCAT Extension Diploma for Translation”, *Manchester College of Arts & Technology*

## PERSONAL SKILLS

Mother tongue  
Other languages

Greek

English (Certificate of Proficiency in English, University of Michigan)

Computer skills

- Programming: Java, C, Python
- Scientific Programming: Octave/Matlab, Python, R
- Artificial Intelligence: Prolog, CLIPS, FuzzyClips
- Machine Learning Toolbox: Scikit-learn
- Web Design: PHP, HTML, CSS, Javascript
- Data Bases: MySQL, Oracle, PostgreSQL
- Design Methodologies: UML
- Microsoft Office™ tools and Open Office Suite
- Document preparation system: LaTeX
- Revision control and source code management: Git
- Linux Ubuntu

## ADDITIONAL INFORMATION

Projects

- Participation in a swarm intelligence project under Professor D. Kalles' (Hellenic Open University) supervision. The project was based on “Emerge-Sort: Swarm Intelligence Sorting”, publication by D. Kalles, V. Mperoukli and A. Papandreadis. I implemented a Java expansion of the source code to test the robustness of the system. I also studied sources for the mathematical formalism of the system.

On line Courses

- Machine Learning by Andrew Ng (Stanford), *Coursera MOOC platform*
- Computational Neuroscience by Adrienne Fairhall and Rajesh P. N. Rao (University of Washington), *Coursera MOOC platform*
- Synapses, Neurons and Brains, by Idan Segev (Hebrew University of Jerusalem), *Coursera MOOC platform*

Fields of interest

- Neurosciences (computational and cognitive), fMRI, EEG, graph theory and network analysis in brain networks, connectome, brain machine interface, artificial intelligence, machine learning, stochastic systems, philosophy of mind