

# Dimitris Leventeas

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*Any intelligent fool can make things bigger, more complex,  
and more violent. It takes a touch of genius – and a lot of  
courage – to move in the opposite direction.*

## PERSONAL INFORMATION

Father's Name Aristotelis  
Mother's Name Maria  
Date of Birth January 30, 1988  
Place of Birth Kalamata, Messinia, Greece  
Nationality Greek  
Military Service Accomplished

## EDUCATION

2011–now **Graduate student in Theoretical Computer Science**, *Department of Computer Science*, ETH Zürich - Eidgenössische Technische Hochschule, Switzerland.  
Home: <http://www.inf.ethz.ch/>.

2005–2010 **Diploma (5-year studies) in Computer Science**, *Department of Computer Engineering & Informatics*, University of Patras, Greece.  
Home: <http://www.ceid.upatras.gr>.  
GPA: 8.45 out of 10.0

DIPLOMA THESIS

title *New Dynamic Interpolation Data Structure*  
supervisors Professor Christos D. Zaroliagis  
description Implementation of a new data structure and experimental analysis. Speed increased by a factor of 2 compared to binary search in  $2^{20}$  elements with an exponential improvement for larger data sets.

## LANGUAGES

Greek **Native**  
English **Fluent**  
French **Good**

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## EXPERIENCE

### Vocational

- 2005–2010 **Student**, *Computer Engineering & Informatics Department*, Patras.  
Selected projects (full list available on <http://bitbucket.org/myle/>).
- Linguistic processor with indexing capabilities highly optimized for search queries.
  - Assistant in Assembly laboratory (*in 2008*)
  - Flat file-system from scratch.
  - Automatic word completion using n-grams.
  - Customized filesystem and kernel including scheduling, process management and other in Minix.
  - A clone of Facebook.
  - Project in Computer Systems Evaluation Methods (now featuring as the suggested answer).
  - Study of uniform and non-uniform Pulse-code Modulation (PCM).
  - Emulator for weather measuring in C++.
  - Simple chat client using network sockets.
  - Minimalistic email client/server using UNIX sockets.
  - Pacman clone in Java.
  - Compiler for a minimalistic HTML-like language using Flex and Bison.
  - Minimalistic multi-threaded email server using UNIX sockets for educational purposes.
  - Several algorithms and data structures mainly in C, C++ and Python.
- February 2009–2011 **Developer, designer, author, coordinator and co-founder**, *TasPython.eu*, Patras,  
Merged in **Python.org.gr** since April 2011 (National PUG).  
Local Python User Group – A Greek developers community about the Python programming language.
- An ebook about Python.
  - Automatically assign shifts to workers for a small company.
  - CEID Battle. Game developing to enforce team spirit of TasPython with the use of the pygame module.
  - Author of several articles about Python.
  - python-weather-api – A python wrapper around the Yahoo! Weather, Google Weather and NOAA APIs
  - Talks:
    - CEID Battle - A pet project of the local Python User Group.
    - Introduction to Python.
    - Flow control.
    - Lists, function, generators.
    - Exceptions.
    - MapReduce.
    - Create a web application.

### Presentations

- 2008–2010 **Miscellaneous.**  
Miscellaneous talks
- Heapsort using Multiple Heaps - EUREKA 2008
  - Global Interpreter Lock - FOSSCOMM (a national conference about open source communities)
  - TasPython user group - OpenFest (a conference located about Open Source in Athens)

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## COMPUTER SKILLS

Programming Languages	C, C++ (Libraries: STL, LEDA, Boost, OpenMP), Java, Python, Prolog	Other	MySQL, Unix shell scripting, Verilog, T <sub>E</sub> X, L <sup>A</sup> T <sub>E</sub> X 2 <sub>ε</sub> , ns2
Web Development	HTML/XHTML, XML, XSL, CSS, PHP, Javascript, AJAX, Django, Joomla, Wordpress	Versioning Systems	Mercurial, Git, Subversion
Operating Systems	GNU/Linux	Scientific	Maple <sup>TM</sup> , MatLab <sup>TM</sup> , GNUPlot

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## INTERESTS

Chess	Options: Strategy vs Tactics in a completely deterministic environment. Always have a plan.
Table tennis	Only someone who has played can imagine how much you have to run.
Basketball	One of the best team games.
Literature	Our best opportunity to live more than one life.

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## SCIENTIFIC INTERESTS

- Algorithms and Data Structures (in general)
- Game theory
- Computational Complexity
- Sorting and Searching

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## Publications

Dimitris Leventeas and Konstantinos Aravanis. Taspypthon: Patras python user group. *The Python Papers Anthology*, December 2009.

Dimitris Leventeas and Christos Zaroliagis. Heapsort using multiple heaps. In *2nd Panhellenic Student Conference on Informatics – EUREKA*, 2008.