

# Anastasios “Tony” Antoniadis

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🌐 [github.com/anantoni](https://github.com/anantoni)

## EDUCATION

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**Doctor of Philosophy – PhD**, Static Program Analysis 2016 – present

Ethnikon kai Kapodistriakon Panepistimion Athinon / University of Athens

Department of Informatics & Telecommunications

Advisor: Prof. Yannis Smaragdakis

**Master of Science**, Computing Systems 2015 – 2016

Ethnikon kai Kapodistriakon Panepistimion Athinon / University of Athens

Department of Informatics & Telecommunications

Thesis: "Combining source code metadata and static analysis results via a compiler plug-in" ([link](#))

Advisor: Prof. Yannis Smaragdakis

Grade: 10/10. Valedictorian of graduating class.

**Bachelor of Science**, Computer Science 2006 – 2014

Ethnikon kai Kapodistriakon Panepistimion Athinon / University of Athens

Department of Informatics & Telecommunications

Thesis: "Declarative Points-to Analysis on Different Datalog Engines" ([link](#))

Advisor: Assoc. Prof. Yannis Smaragdakis

Grade: 8.51/10. Salutatorian of graduating class.

## EXPERIENCE

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**University of Athens** October 2014 – October 2016

*Software Engineer, PLAST*

*Athens, ATH, GR*

- Supervisor: Yannis Smaragdakis
- Contributed to the development of the group's static analyses tools, including the parallelization of fact generation from Java bytecode and the development of a web application to view static analysis results on the source code of the program.

**CERN** October 2012 – October 2013

*Technical Student, PH-CMG-PS*

*Geneva, GE, CH*

- Supervisor: Colin Bernet
- Contributed to the active development of a physics analysis framework, in particular to the production of datasets and management of the group's database.
- Other tasks:
  - (i) Developed a web page for particle collision dataset comparisons using root histograms,
  - (ii) Created C++ dynamic libraries for physics using GNU autotools,
  - (iii) Contributed to the migration of the group's software from CVS to Git.

## LANGUAGES AND CERTIFICATES

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Greek (native), English (fluent)

Certificate of Proficiency in English, University of Cambridge (UK)

2004

## TECHNICAL SKILLS

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<b>Programming Languages</b>	C/C++, Java, Groovy, Python, Bash, Prolog, Datalog
<b>Version Control Systems</b>	Git, Mercurial, CVS
<b>Editors and IDEs</b>	Emacs, Eclipse, NetBeans, IntelliJ IDEA, CLion, Atom, Sublime
<b>Build Automation</b>	GNU Make, CMake, Autotools, Gradle, Ant, Maven
<b>UNIX Skills</b>	Shell Scripting, System Programming, Server Administration
<b>Databases and Tools</b>	SQL, MySQL, Oracle SQL
<b>Compilers and Debuggers</b>	GCC / G++, GDB, Valgrind
<b>Concurrent Programming</b>	Pthreads, MPI, OpenMP, Cuda, Java ( <code>java.util.concurrent.*</code> )
<b>Operating Systems</b>	Linux, BSD, Unix and Unix-like operating systems, Windows
<b>Web Development</b>	HTML, CSS, PHP, JSP, Javascript, jQuery, Java Servlets, Spring

## PUBLICATIONS

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- Tony Antoniadis, Konstantinos Triantafyllou, and Yannis Smaragdakis. “Porting Doop to Souffle: A Tale of Inter-engine Portability for Datalog-based Analyses”. In: *Proceedings of the 6th ACM SIGPLAN International Workshop on State Of the Art in Program Analysis*. SOAP 2017. Barcelona, Spain: ACM, 2017, pp. 25–30. ISBN: 978-1-4503-5072-3. DOI: [10.1145/3088515.3088522](https://doi.acm.org/10.1145/3088515.3088522). URL: <http://doi.acm.org/10.1145/3088515.3088522>

## ACTIVITIES

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<b>University of Athens</b>	Spring 2014 – present
<i>Teaching Assistant</i>	
Spring 2014	<b>Systems Programming</b>
	<b>Compilers</b>
	Instructor: Yannis Smaragdakis
Fall 2014	<b>Operating Systems</b>
	Instructor: Alex Delis
Spring 2015	<b>Compilers</b>
	Instructor: Yannis Smaragdakis
Spring 2016	<b>Compilers</b>
	Instructor: Yannis Smaragdakis
Fall 2017	<b>Compilers</b>
	Instructor: Yannis Smaragdakis

## GRANTS AND AWARDS

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- Oracle scholarship for SOAP 2017.

## HOBBIES & INTERESTS

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reading, films, music, dog training, soccer, basketball