

Anastasios “Tony” Antoniadis

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EDUCATION

- Ph.D.** in Computer Science (*Program Analysis*) 2016 – (ongoing)
University of Athens
Department of Informatics & Telecommunications
Advisor: Yannis Smaragdakis
- M.Sc.** in Computer Science (*Computing Systems*) 2015 – 2016
University of Athens
Department of Informatics & Telecommunications
Thesis: "Combining source code metadata and static analysis results via a compiler plug-in" ([link](#))
Advisor: Yannis Smaragdakis Grade: 10/10. Valedictorian of graduating class.
- B.Sc.** in Computer Science 2006 – 2014
University of Athens
Department of Informatics & Telecommunications
Thesis: "Declarative Points-to Analysis on Different Datalog Engines" ([link](#))
Advisor: Yannis Smaragdakis Grade: 8.51/10. Salutatorian of graduating class.

EXPERIENCE

- 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.

ACTIVITIES

University of Athens
Teaching Assistant

Spring 2014 – (ongoing)

Spring 2014	Systems Programming Instructor: Yannis Smaragdakis
Spring 2014	Compilers Instructor: Yannis Smaragdakis
Fall 2014	Operating Systems Instructor: Alex Delis
Spring 2015	Compilers Instructor: Yannis Smaragdakis
Spring 2016	Compilers Instructor: Yannis Smaragdakis

LANGUAGES AND CERTIFICATES

Greek (native), English (fluent)	
Certificate of Proficiency in English, University of Cambridge (UK)	2004

TECHNICAL SKILLS

Programming Languages	C/C++, Java, Groovy, Rust, Python, Bash, Prolog, Datalog (LogiQL, Soufflé)
Version Control Systems	Git, Mercurial, CVS
Editors and IDEs	Emacs, Eclipse, NetBeans, IntelliJ IDEA, CLion, Atom, Sublime
Build Automation	GNU Make, CMake, Autotools
UNIX Skills	Shell Scripting, Systems Programming, Command-line Utilities, Server Admin
Databases and Tools	SQL, MySQL, Oracle SQL
Compilers and Debuggers	GCC / G++, GDB, Valgrind
Concurrent Programming	Pthreads, Java (<code>java.util.concurrent.*</code>)
Operating Systems	Linux, BSD, Unix and Unix-like operating systems, Windows
Networking	Google Protocol Buffers, Apache HTTP components (httpcore & httpclient)
Web Development	HTML, CSS, PHP, JSP, Javascript, jQuery, Java Servlets, Spring

PUBLICATIONS

- 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.org/10.1145/3088515.3088522). URL: <http://doi.acm.org/10.1145/3088515.3088522>

GRANTS AND AWARDS

- Oracle scholarship for SOAP 2017.