

Anastasios “Tony” Antoniadis

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EDUCATION

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 System 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

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

Greek (native), English (fluent)

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

2004

TECHNICAL SKILLS

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|--------------------------------|---|
| Programming Languages | C/C++, Java, Groovy, Python, Bash, Prolog, Datalog |
| Version Control Systems | Git, Mercurial, CVS |
| Editors and IDEs | Emacs, Eclipse, NetBeans, IntelliJ IDEA, CLion, Atom, Sublime |
| Build Automation | GNU Make, CMake, Autotools, Gradle, Ant, Maven |
| UNIX Skills | Shell Scripting, System Programming, Server Administration |
| Databases and Tools | SQL, MySQL, Oracle SQL |
| Compilers and Debuggers | GCC / G++, GDB, Valgrind |
| Concurrent Programming | Pthreads, MPI, OpenMP, Cuda, Java (<code>java.util.concurrent.*</code>) |
| Operating Systems | Linux, BSD, Unix and Unix-like operating systems, Windows |
| 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.acm.org/10.1145/3088515.3088522). URL: <http://doi.acm.org/10.1145/3088515.3088522>

ACTIVITIES

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

GRANTS AND AWARDS

- Oracle scholarship for SOAP 2017.

HOBBIES & INTERESTS

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