

Anastasios “Tony” Antoniadis

Paioniou 6, Kamatero, Athens, Attica, Greece

☎ +30 210 2318223 📞 +30 694 203 3025

✉ anantoni@di.uoa.gr

🌐 github.com/anantoni

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 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

University of Athens October 2014 – Present

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.
- Worked on porting the group's Java bytecode analysis framework to a new Datalog engine (LogicBlox to Soufflé).
- Worked on the scalability and completeness of points-to analysis of Java Enterprise applications.

Oracle Labs Australia February 2019 – July 2019

Research Assistant

Athens, ATH, GR

- Supervisors: Paddy Krishnan, Raghavendra Ramesh and Nicholas Allen
- Worked on enhancing the completeness of static analysis of Java Enterprise applications using heap snapshots. Experimented with different tools for capturing heap snapshots and stack traces and different modes of execution for the web applications e.g., testing and normal execution.

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

Programming Languages	C/C++, Java, Groovy, Python, Bash, Prolog, Datalog
Version Control Systems	Git, Mercurial
Editors and IDEs	Emacs, vim, IntelliJ IDEA, CLion
Concurrent Programming	Pthreads, MPI, OpenMP, Cuda, Java (<code>java.util.concurrent.*</code>)
Web Development	HTML, CSS, PHP, JSP, Javascript, Java Enterprise, 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>

ACTIVITIES

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
Fall 2019	OO Languages and Systems/Advanced Programming Techniques Instructor: Yannis Smaragdakis

GRANTS AND AWARDS

- Oracle scholarship for SOAP 2017.

HOBBIES & INTERESTS

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