

Yiannis Tsiouris

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Personal

Born on May 24, 1988.
Citizen of Athens, Greece.

Professional Experience

Greek Research and Academic Network (GRNET) *Feb. 2015 – Feb. 2017*

- Panoramix: Privacy and Accountability in Networks via Optimized Randomized Mix-nets
- TREDISEC: Trust-aware, REliable and Distributed Information SEcurity in the Cloud
- Cloud software engineer on GRNET's IaaS cloud software

RELEASE: A High-level Paradigm for Reliable Large-scale Server Software *Nov. 2011 – Feb. 2015*

Education

National Technical University of Athens, Athens, Greece *Nov. 2011 – present*
Ph. D., School of Electrical and Computer Engineering

- Research domain: Programming Languages Design and Implementation, Concurrent and Parallel Programming, Functional Programming, Type Systems, Security
- Advisor: [Kostis Sagonas](#), Associate Professor

National Technical University of Athens, Athens, Greece *Sep. 2006 – Oct. 2011*
Dipl. Eng., School of Electrical and Computer Engineering

- Majors: Computer Software, Computer Systems and Hardware
- Minors: Computer Networks, Economics
- Thesis: *Implementation of a Low Level Virtual Machine (LLVM) backend for Erlang/OTP System*
- Advisor: [Kostis Sagonas](#), Associate Professor
- GPA: **8.78/10**

Publications

Yannis Rouselakis, Nikolaos S. Papaspyrou, [Yiannis Tsiouris](#), and Eneia N. Todoran. *Compilation to Quantum Circuits for a Language with Quantum Data and Control*. Federated Conference on Computer Science and Information Systems (FedCSIS), Krakow - Poland, 8-11 Sept. 2013.

Stavros Aronis, Nikolaos Papaspyrou, Katerina Roukounaki, Konstantinos Sagonas, Yiannis Tsiouris, and Ioannis E. Venetis. *A Scalability Benchmark Suite for Erlang/OTP*. ACM SIGPLAN Erlang Workshop, Copenhagen - Denmark, September 2012

Konstantinos Sagonas, Chris Stavrakakis, and Yiannis Tsiouris. *ErLLVM: An LLVM Backend for Erlang*. Eleventh ACM SIGPLAN Erlang Workshop, Copenhagen - Denmark, September 2012

Christos Stavrakakis, and Yiannis Tsiouris. *Design and implementation of a Low Level Virtual Machine back end for the High Performance Erlang native code compiler*. Electrical and Computer Engineering Dept., National Technical University of Athens - GR, November 2011

Skills

Programming Languages

Fluent: Erlang, Python, Haskell

Familiar: Ocaml, C/C++, Scala, Java, Assembly

Basic familiarity with various other languages: SML, Prolog, SQL

Tools, Frameworks and APIs

Web: Django, Django REST, Flask

Parallel: MPI, OpenMP, Cuda, Cilk

Unix shell scripting (sh, Bash, Zsh), GNU make, GNU autotools

(D)VCS: Git, Subversion, Mercurial

Operating Systems

GNU/Linux (scripting, networking, administration, packaging), Apple MacOS X

Other

Training and 1-year experience of agile development with the Scrum framework.

Experience in using collaborative software development platforms (Gitlab, Phabricator, Github) and processes (code review, CI, devflow development and release management).

Languages

Greek (native)

English: Cambridge Certificate of Proficiency in English, CPE

Extracurricular Activities

Founding and Administrative Member of “[Free and Open Source Software Community](#)” of the National Technical University of Athens.

Various, mostly minor, contributions to open source projects ([Erlang/OTP](#), [Ganeti](#), [LLVM](#), etc.).

Participation and presentation in Google [GanetiCon](#) 2016 in Dublin, Ireland.

Organizing committee member of 6th Conference on “[Free and Open Source Software: Open Source Software, Development Opportunities](#)”, 20th & 21th May 2011, in Athens, Greece.

Organizing committee member of 5th Conference on “[Free and Open Source Software: Entrepreneurship, Public Sector, Education & Research](#)”, 14th & 15th May 2010, in Athens, Greece.

Organizing committee member of 1st Conference on “[Free and Open Source Software Communities](#)”, 21th & 22th March 2008, in Athens, Greece.

Participated in numerous FOSS events and conferences.

Hobbies

Footvolley, Futsal, Swimming, Cycling, Pool