Anastasios "Tony" Antoniadis

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EXPERIENCE

Cyvox OÜ   January 2021 – Present
Copywriter, SEO, Developer, and Blog Manager Tallinn, Haarju, EST

- Started a blogging small business and created http://borderpolar.com(BORDERPOLAR), a tech and gaming website that reached hundreds of thousands monthly visitors.

- Managed all the website's functional aspects, including content creation (copywriting), search engine optimization (SEO), WordPress Development, and Performance Optimization.

- Developed word searching and pattern mathching Javascript (Single-Page-App) tools that assisted visitors in word puzzles such as Wordle, Duordle, and Quordle.

MyColorTechnologies: WordPress, PHP, Javascript.

University of Athens   October 2014 – Present
Software Engineer, PLAST   *Athens, ATH, GR*

- 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.

MyColorTechnologies: Java, Groovy, Python, LogicBlox, Soufflé.

Oracle Labs Australia   February 2019 – July 2019
Research Assistant   *Athens, ATH, GR*

- 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.

MyColorTechnologies: Java, Groovy, Python, Soufflé.

CERN October 2012 – October 2013
Technical Student, PH-CMG-PS *Geneva, GE, CH*

- Contributed to the active development of a physics analysis framework, in particular to the production of datasets and management of the group's database.

- Developed a web page for particle collision dataset comparisons using root histograms,

- Created C++ dynamic libraries for physics using GNU autotools,

- Contributed to the migration of the group's software from CVS to Git.

MyColorTechnologies: Python, Oracle SQL.

- Past Supervisors: Colin Bernet, Paddy Krishnan, Raghavendra Ramesh, and Nicholas Allen

- Ph.D. Advisor: Yannis Smaragdakis

EDUCATION

Doctor of Philosophy – PhD, Static Program Analysis 2016 – present
University of Athens, Department of Informatics & Telecommunications
Advisor: Prof. Yannis Smaragdakis

Master of Science, Computing Systems 2015 – 2016
University of Athens, Department of Informatics & Telecommunications
Thesis: http://cgi.di.uoa.gr/ smaragd/theses/antoniadis2.pdf ("Combining source code metadata and static analysis results via a compiler plug-in")
Advisor: Prof. Yannis Smaragdakis
Grade: 10/10. Valedictorian of graduating class.

Bachelor of Science, Computer Science 2006 – 2014
University of Athens, Department of Informatics & Telecommunications

Thesis: http://cgi.di.uoa.gr/ smaragd/theses/antoniadis.pdf ("Declarative Points-to Analysis on Different Datalog Engines")
Advisor: Assoc. Prof. Yannis Smaragdakis
Grade: 8.51/10. Salutatorian of graduating class.

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

PUBLICATIONS

- **portingdoop2souffle**

- **jackee**

- **tensorflow**

ACTIVITIES

University of Athens Spring 2014 – present
Teaching Assistant

- **Systems Programming** Spring 2014

- **Operating Systems** Fall 2014

- **Compilers** Spring 2014, Spring 2015, Spring 2016, Fall 2017

- **OO Languages and Systems/Advanced Programming Techniques** Fall 2019, Fall 2020

- **Instructors**: Alex Delis, Yannis Smaragdakis

Grants and Awards: Oracle scholarship for SOAP 2017.
Hobbies & Interests: Photography, Films, NFL.