

# George Kastrinis • Curriculum Vitæ

Ph.D. Candidate, University of Athens

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## EDUCATIONAL BACKGROUND

July 2012 – Present	Ph.D. in Program Analysis, Department of Informatics and Telecommunications, <b>University of Athens</b> , Advisor Prof. Yannis Smaragdakis ( <a href="mailto:smaragd@di.uoa.gr">smaragd@di.uoa.gr</a> )
Sep. 2009 – July 2012	M.Sc. in Advanced Information Systems, Department of Informatics and Telecommunications, <b>University of Athens</b> , G.P.A. <b>8.42/10</b> (estimated 3% of graduating class)
Sep. 2005 – Sep. 2009	B.Sc. in Informatics and Telecommunications, Department of Informatics and Telecommunications, <b>University of Athens</b> , G.P.A. <b>8.33/10</b> (estimated 5% of graduating class)

## PROFESSIONAL EXPERIENCE

Summer 2014	<b>Intern</b> as software developer at <a href="#">Microsoft Research</a> for three months
Summer 2013	<b>Intern</b> as software developer at <a href="#">LogicBlox</a> for four months
Jan. 2011 – Present	<b>Research Assistant</b> in Program Analysis, with Prof. Yannis Smaragdakis
June 2009 – Jan. 2011	<b>Software Developer</b> for the Network Operations Center at the University of Athens
Winter 2009, 2011	<b>Lecturer</b> and <b>Co-organizer</b> of a two-part presentation for Web Development by the FOSS Community of the University of Athens

## PUBLICATIONS

Yannis Smaragdakis, George Kastrinis, "**Defensive Points-To Analysis: Effective Soundness via Laziness**", **Distinguished Paper Award**, European Conference on Object-Oriented Programming, (ECOOP), 2018

Neville Grech, George Kastrinis, Yannis Smaragdakis, "**Efficient Reflection String Analysis via Graph Coloring**", European Conference on Object-Oriented Programming, (ECOOP), 2018

George Fourtounis, George Kastrinis, Yannis Smaragdakis, "**Static Analysis of Java Dynamic Proxies**", International Symposium on Software Testing and Analysis, (ISSTA), 2018

George Kastrinis, George Balatsouras, Kostas Ferles, Nefeli Prokopaki-Kostopoulou, Yannis Smaragdakis, "**An Efficient Data Structure for Must-Alias Analysis**", Compiler Construction (CC), 2018

George Balatsouras, Kostas Ferles, George Kastrinis, Yannis Smaragdakis, "**A Datalog Model of Must-Alias Analysis**", International Workshop on the State Of the Art in Java Program Analysis, (SOAP), 2017

Yannis Smaragdakis, George Balatsouras, George Kastrinis, Martin Bravenboer, "**More Sound Static Handling of Java Reflection**", Asian Symposium on Programming Languages and Systems, (APLAS), 2015

Yannis Smaragdakis, George Kastrinis, George Balatsouras, "**Introspective Analysis: Context-Sensitivity, Across the Board**", Programming Language Design and Implementation (PLDI), 2014

Yannis Smaragdakis, George Balatsouras, George Kastrinis, "**Set-Based Pre-Processing for Points-To Analysis**", Object-Oriented Programming, Systems, Languages & Applications (OOPSLA), 2013

George Kastrinis, Yannis Smaragdakis, "**Hybrid Context-Sensitivity for Points-To Analysis**", Programming Language Design and Implementation (PLDI), 2013

George Kastrinis, Yannis Smaragdakis, "**Efficient and Effective Handling of Exceptions in Java Points-To Analysis**", Compiler Construction (CC), 2013

Nikolaos Pothitos, George Kastrinis, Panagiotis Stamatopoulos, "**Constraint Propagation as the Core of Local Search**", Hellenic Conference on Artificial Intelligence (SETN), 2012

## ACTIVITIES

2009 - Present	<b>Teaching Assistant</b> - University of Athens Courses: Introduction to Programming, OOP, Advanced OOP, Systems Programming
Dec. 2016	<b>Google PhD Student Summit on Compilers</b>
June 2015	<b>Student Volunteer</b> - PLDI '15
2012, 2013	<b>External Reviewer</b> - ECOOP '12, PLDI '13

## LANGUAGES

Greek	<b>Native</b>
English	<b>Fluent</b> – Certificate of Proficiency in English (University of Michigan & University of Cambridge)
French	<b>D.E.L.F.</b> level 1 and 2 – unit A1-A6

## TECHNICAL SKILLS

Programming	C, C++, C#, Java, Groovy, Python, Datalog, Prolog, Haskell
Web Technologies	HTML, CSS, PHP, JSP, JavaScript, AJAX
Databases & ORM	SQL, SPARQL, OWL 2, LDAP, LogiQL, LINQ
Build Tools	GNU Make, Gradle
Frameworks	Electron, NodeJS
Misc	ANTLR 4, OpenGL, LaTeX, Adobe Photoshop