

Zoe Paraskevopoulou

PERSONAL INFORMATION	Date of birth: 31 July 1990 Citizenship: Greek	Webpage: zoep.github.io Email: zoe.paraskevopoulou@princeton.edu
EDUCATION	PhD in Computer Science, Princeton University Area: Programming Languages SEPTEMBER 2015 TO PRESENT	
	Master's Degree SEPTEMBER 2014 TO SEPTEMBER 2015 Master Parisien de recherche en Informatique , École Normale Supérieure de Cachan, France Level: M2 Specialization: Logics and Semantics of Programs Thesis: <i>Self-Adgusting Computation for CostIt</i> , Grade: 19/20 Courses: <ul style="list-style-type: none">• Foundations of proof systems• Linear logic and logical paradigms of computation• Automated deduction• Abstract interpretation• Proof assistants• Functional programming and type systems• Proofs of programs• Semantics, languages and algorithms for multicore programming	
	Diploma (5-year degree) SEPTEMBER 2008 TO SEPTEMBER 2014 School of Electrical and Computer Engineering , National Technical University of Athens, Greece Majors: Computer Software, Computer Systems Minors: Mathematics, Computer Networks Thesis: <i>A Coq Framework For Verified Property Based Testing</i> , Grade: 10/10 Thesis Committee: Nikolaos Papasporou, Kostis Sagonas, Yannis Smaragdakis	
RESEARCH EXPERIENCE	Research Internship at Max Planck Institute of Software Systems MARCH 2015 TO AUGUST 2015 <ul style="list-style-type: none">• Topic: <i>Self-Adjusting Computation for CostIt</i>• Advisor: Deepak Garg Research Internship at INRIA Paris-Rocquencourt APRIL 2014 TO SEPTEMBER 2014 <ul style="list-style-type: none">• Topic: <i>QuickChick: A Coq Framework For Verified Property Based Testing</i>• Advisor: Cătălin Hritcu• Team: PROSECCO	
PUBLICATIONS	<i>Foundational Property-Based Testing</i> . Zoe Paraskevopoulou, Catalin Hritcu, Maxime Dénès, Leonidas Lampropoulos and Benjamin C. Pierce. In 6th International Conference on Interactive Theorem Proving (ITP), 2015.	
WORKSHOP TALKS	<i>A Coq Framework For Verified Property-Based Testing (Extended Abstract)</i> . Zoe Paraskevopoulou, Catalin Hritcu, Maxime Dénès, Leonidas Lampropoulos and Benjamin C. Pierce. CoqPL 2015. <i>QuickChick: Property-Based Testing for Coq</i> . Maxime Dénès, Catalin Hritcu, Leonidas Lampropoulos, Zoe Paraskevopoulou and Benjamin C. Pierce. The 6th Coq Workshop. July 2014.	

SCHOLARSHIPS AND AWARDS	Stanley J. Seeger Hellenic Studies Prize	2015
	KARY Award	2014
	Award for excellent academic performance for the academic year 2012-2013	
	Selected for scholarship for attending PLMW at POPL 2015.	2014
	INRIA-MPRI Scholarship	2014
	1 year scholarship for attending the MPRI program.	
	Scholarship for attending Applied Functional Programming in Haskell Summer School, Utrecht University, Netherlands.	2013
OTHER COURSES	Summer School on Applied Functional Programming in Haskell Utrecht University, Netherlands.	AUGUST 2013
	Certificates of accomplishment for the following Online Courses :	
	• Cryptography I provided by Stanford University through Coursera Inc.	MARCH 2013
	• Software as a Service provided by BerkeleyX through edX	NOVEMBER 2012
INTERESTS	Programming languages theory and implementation, logic, computer security, static analysis, software testing and verification, cryptography	
NOTABLE STUDENT PROJECTS	Lambda Calculus Interpreter	NOVEMBER 2013
	An interpreter for a typed lambda calculus variant featuring let and let-rec definitions, if-then-else construct, pairs, various arithmetic, boolean and relative operators, type inference and let-polymorphism. Implemented in Haskell in a team of 2 students.	
	Llama Compiler	OCTOBER 2013
	A compiler for an OCaml-like language with pattern matching, type inference, higher-order functions and user defined data types. The compiler performs control flow graph, peephole and tail call optimizations. Developed in OCaml in a team of 3 students.	
	Advanced Topics in Database Systems Project	MARCH 2013
	A bibliographic report about security and cryptography in database systems, written in a team of 2 students.	
	Cryptography Project	JANUARY 2013
	A library implementing basic operations on elliptic curves over prime fields, Elliptic Curve digital signature and Diffie-Hellman key exchange algorithms. Developed in Ocaml in a team of 2 students.	
	Database Systems Project	FEBRUARY 2012
	Design and implementation of a database management system for a fictional airport, following the MVC pattern. Developed using MySQL, PHP, HTML and Javascript in a team of 2 students.	
OTHER ACTIVITIES	Music studies at the National Conservatory of Athens.	
	Piano	SEPTEMBER 2008 TO PRESENT
	Chamber Music	SEPTEMBER 2013 TO JUNE 2014
	Choral Conducting	SEPTEMBER 2012 TO JUNE 2014
	Theory of Harmonization	SEPTEMBER 2011 TO JUNE 2014
	Music Theory	SEPTEMBER 2010 TO JUNE 2011