

# Zoe Paraskevopoulou

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PERSONAL INFORMATION	<b>Date of birth:</b> 31 July 1990 <b>Citizenship:</b> Greek	<b>Webpage:</b> <a href="http://zoep.github.io">zoep.github.io</a> <b>Email:</b> <a href="mailto:zoe.paraskevopoulou@princeton.edu">zoe.paraskevopoulou@princeton.edu</a>
EDUCATION	<b>PhD</b> in Computer Science, Princeton University Area: Programming Languages SEPTEMBER 2015 TO PRESENT	
	<b>Master's Degree</b> SEPTEMBER 2014 TO SEPTEMBER 2015 <a href="#">Master Parisien de recherche en Informatique</a> , École Normale Supérieure de Cachan, France Level: M2 Specialization: Logics and Semantics of Programs Thesis: <i>Self Adjusting Computation for CostIt</i> Courses: <ul style="list-style-type: none"><li>• Foundations of proof systems</li><li>• Linear logic and logical paradigms of computation</li><li>• Automated deduction</li><li>• Abstract interpretation</li><li>• Proof assistants</li><li>• Functional programming and type systems</li><li>• Proofs of programs</li><li>• Semantics, languages and algorithms for multicore programming</li></ul>	
	<b>Diploma</b> (5-year degree) SEPTEMBER 2008 TO SEPTEMBER 2014 <a href="#">School of Electrical and Computer Engineering</a> , 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	<b>Research Internship</b> at Max Planck Institute of Software Systems MARCH 2015 TO AUGUST 2015 <ul style="list-style-type: none"><li>• Topic: <i>Self Adjusting Computation for CostIt</i></li><li>• Advisor: Deepak Garg</li></ul> <b>Research Internship</b> at INRIA Paris-Rocquencourt APRIL 2014 TO SEPTEMBER 2014 <ul style="list-style-type: none"><li>• Topic: <i>QuickChick: A Coq Framework For Verified Property Based Testing</i></li><li>• Advisor: Cătălin Hrițcu</li><li>• Team: PROSECCO</li></ul>	
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	<b>Stanley J. Seeger Hellenic Studies Prize</b>	2015
	<b>KARY Award</b>	2014
	Award for excellent academic performance for the academic year 2012-2013	
	Selected for <b>scholarship</b> for attending PLMW at POPL 2015.	2014
	<b>INRIA-MPRI Scholarship</b>	2014
	1 year scholarship for attending the MPRI program.	
	<b>Scholarship</b> for attending Applied Functional Programming in Haskell Summer School, Utrecht University, Netherlands.	2013
OTHER COURSES	<b>Summer School</b> on <a href="#">Applied Functional Programming in Haskell</a> Utrecht University, Netherlands.	AUGUST 2013
	Certificates of accomplishment for the following <b>Online Courses</b> :	
	<ul style="list-style-type: none"> <li>• <b>Cryptography I</b> provided by Stanford University through Coursera Inc.</li> </ul>	MARCH 2013
	<ul style="list-style-type: none"> <li>• <b>Software as a Service</b> provided by BerkeleyX through edX</li> </ul>	NOVEMBER 2012
INTERESTS	Programming languages theory and implementation, logic, computer security, static analysis, software testing and verification, cryptography	
NOTABLE STUDENT PROJECTS	<b>Lambda Calculus Interpreter</b>	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.	
	<b>Llama Compiler</b>	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.	
	<b>Advanced Topics in Database Systems Project</b>	MARCH 2013
	A bibliographic report about security and cryptography in database systems, written in a team of 2 students.	
	<b>Cryptography Project</b>	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.	
	<b>Database Systems Project</b>	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.	
	<b>Piano</b>	SEPTEMBER 2008 TO PRESENT
	<b>Chamber Music</b>	SEPTEMBER 2013 TO JUNE 2014
	<b>Choral Conducting</b>	SEPTEMBER 2012 TO JUNE 2014
	<b>Theory of Harmonization</b>	SEPTEMBER 2011 TO JUNE 2014
	<b>Music Theory</b>	SEPTEMBER 2010 TO JUNE 2011