

Zoi Paraskevopoulou

PERSONAL INFORMATION	Date of birth: 31 July 1990 Gender: Female Citizenship: Greek	Webpage: github.com/zoep Email(s): zoe.paraskevopoulou@gmail.com zoi.paraskevopoulou@ens-cachan.fr
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EDUCATION	Master's Degree SEPTEMBER 2014 TO SEPTEMBER 2015 (EXPECTED) Master Parisien de recherche en Informatique , École Normale Supérieure de Cachan, France Level: M2 Holder of a scholarship granted by INRIA
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	Diploma (5 years degree) SEPTEMBER 2008 TO SEPTEMBER 2014 School of Electrical and Computer Engineering , National Technical University of Athens, Greece
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Majors: Computer Software, Computer Systems

Minors: Mathematics, Computer Networks

Thesis: *A Coq Framework For Verified Property Based Testing*, Grade: 10/10

GPA: 8.4/10

Notable Courses:

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| • Compilers | • Advanced Topics in Database Systems |
| • Mathematical Logic for Computer Science | • Applications of Logic in Computer Science (Lambda Calculus) |
| • Cryptography | • Programming Languages II |
| • Parallel Processing Systems | • Operating Systems Laboratory |

General Lyceum (Upper Secondary School) SEPTEMBER 2005 TO JUNE 2008 Geitonas School, Athens, Greece Direction: Science GPA: 19.5/20

RESEARCH EXPERIENCE	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 Hrițcu• Team: PROSECCO
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WORKSHOP TALK	<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.
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OTHER COURSES	Summer school on Applied Functional Programming in Haskell AUGUST 2013 Held by Utrecht University, Netherlands. Attended with scholarship granted by Utrecht University.
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Certificates of accomplishment for the following **Online Courses**:

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| • Cryptography I
provided by Stanford University through Coursera Inc. | MARCH 2013 |
| • Software as a Service
provided by BerkeleyX through edX | NOVEMBER 2012 |

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, high 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.	
	Proof Assistants	
	Coq, SSReflect library	
COMPUTER SKILLS	Programming Languages	
	OCaml, Haksell, Prolog, C, Erlang, Unix Shell Scripting, Ruby, PHP, SQL, Java, Assembly (x86, AVR)	
	Operating Systems	
	Apple OS X, Linux, Windows	
	Other Tools and Frameworks	
	Git, L ^A T _E X, Gnuplot, VIM, Emacs, Frama-C	
INTERESTS	programming languages theory and implementation, static analysis, software testing and verification, formal methods, cryptography, functional programming	
LANGUAGES	Greek	
	Mother Tongue	
	English	
	Proficient speaking and writing skills FCE Cambridge	
		SPRING 2005
	French	
	Elementary speaking and writing skills Delf A2	
		SPRING 2004
OTHER ACTIVITIES	Music studies at the National Conservatory of Athens.	
	Piano	SEPTEMBER 2008 TO PRESENT
	Choral Conducting	SEPTEMBER 2012 TO 2014
	Theory of Harmonization	SEPTEMBER 2011 TO 2014
	Music Theory	SEPTEMBER 2010 TO JUNE 2011