

# Zoe Paraskevopoulou

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## PERSONAL INFORMATION

**Date of birth:** 31 July 1990  
**Citizenship:** Greek

**Webpage:** [zoep.github.io](http://zoep.github.io)  
**Email:** [zoe.paraskevopoulou@princeton.edu](mailto:zoe.paraskevopoulou@princeton.edu)

## EDUCATION

**PhD** in Computer Science, Princeton University SEPTEMBER 2015 TO PRESENT  
Area: Programming Languages  
Advisor: Andrew Appel

**Master's Degree** SEPTEMBER 2014 TO SEPTEMBER 2015

[Master Parisien de recherche en Informatique](#), École Normale Supérieure de Cachan, France

Specialization: Logics and Semantics of Programs

Thesis: *Self-Adjusting Computation for CostIt*, Grade: 19/20

Courses:

- 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

**Engineering 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: *A Coq Framework For Verified Property Based Testing*, 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

- Topic: *Self-Adjusting Computation for CostIt*
- Advisor: Deepak Garg

**Research Internship** at INRIA Paris-Rocquencourt APRIL 2014 TO SEPTEMBER 2014

- Topic: *QuickChick: A Coq Framework For Verified Property Based Testing*
- Advisor: Cătălin Hrițcu
- Team: PROSECCO

## PUBLICATIONS

*A type theory for incremental computational complexity with control flow changes.*

Ezgi Cicek, Zoe Paraskevopoulou and Deepak Garg. ACM SIGPLAN International Conference on Functional Programming (ICFP), 2016. To appear.

*Foundational Property-Based Testing.*

Zoe Paraskevopoulou, Catalin Hritcu, Maxime Dénès, Leonidas Lampropoulos and Benjamin C. Pierce. In 6th International Conference on Interactive Theorem Proving (ITP), 2015.

## WORKSHOP TALKS

*Making our Own Luck: A Language for Random Generators (Extended Abstract)* .

Leonidas Lampropoulos, Benjamin C. Pierce, Cătălin Hrițcu, John Hughes, Zoe Paraskevopoulou and Li-yao Xia. PPS 2016

*A Coq Framework For Verified Property-Based Testing (Extended Abstract).*

Zoe Paraskevopoulou, Catalin Hritcu, Maxime Dénès, Leonidas Lampropoulos and Benjamin C. Pierce. CoqPL 2015.

*QuickChick: Property-Based Testing for Coq.*

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>Thomaidio Award</b>	2015
	For ranking among the three first students of the NTUA ECE department in the academic year 2012-2013	
	<b>KARY Award</b>	2014
	Award for excellent academic performance for the academic year 2012-2013	
	<b>INRIA-MPRI Scholarship</b>	2014
	1 year scholarship to attend the MPRI program.	
	<b>Scholarship</b> to attend 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>• Cryptography I provided by Stanford University through Coursera Inc.</li> </ul>	MARCH 2013
	<ul style="list-style-type: none"> <li>• Software as a Service provided by BerkeleyX through edX</li> </ul>	NOVEMBER 2012
INTERESTS	Programming languages theory and implementation, logic, computer security, static analysis, software testing and verification	
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