Zoe Paraskevopoulou

PERSONAL INFORMATION	**Date of birth**:	31 July 1990	**Webpage**:	zoep.github.io
	Citizenship:	Greek	**Email**:	zoe.paraskevopoulou@princeton.edu

EDUCATION

PhD in Computer Science, Princeton University — SEPTEMBER 2015 TO PRESENT

> Area: Programming Languages
> Advisor: Andrew Appel

Master's Degree, *Summa Cum Laude* — SEPTEMBER 2014 TO SEPTEMBER 2015

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

> Specialization: Logics and Semantics of Programs
> Ranked 7th out of 61 students
> 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 Degree, *Magna Cum Laude* — 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 Papaspurou, Kostis Sagonas, Yannis Smaragdakis

RESEARCH EXPERIENCE

Research Internship at Max Planck Institute for 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 Hriţcu
- Team: PROSECCO

SCHOLARSHIPS AND AWARDS

Stanley J. Seeger Hellenic Studies Prize — 2015

Thomaidio Award — 2015
For ranking first among the students of my class at NTUA ECE department
for the academic year 2012-2013

KARY Award — 2014
Award for excellent academic performance for the academic year 2012-2013

INRIA-MPRI Scholarship — 2014
1 year fellowship to attend the MPRI master's program.

Scholarship to attend Applied Functional Programming in Haskell — 2013
Summer School, Utrecht University, Netherlands.

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 PAPERS	*CertiCoq: A verified compiler for Coq (Extended Abstract).* Abhishek Anand, Andrew Appel, Greg Morrisett, Zoe Paraskevopoulou, Randy Pollack, Olivier Savary Belanger, Matthieu Sozeau, and Matthew Weaver. To appear in CoqPL 2017.
	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.

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, verified compilation, logic, software testing and verification

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