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*

Engineering Diploma, *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*

RESEARCH EXPERIENCE

Research Internship at Microsoft Research Redmond   JUNE 2018 TO AUGUST 2018
- Topic: *Layered DSLs for Verified Cryptography*
- Team: RiSE

Research Internship at Microsoft Research Redmond   JUNE 2017 TO AUGUST 2017
- Topic: *Optimizing an interpreter by selective native compilation*
- Team: RiSE

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 Hriţcu

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
during the academic year 2012-2013

KARY Award   2014
NTUA 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	*Generating Good Generators for Inductive Relations.* Leonidas Lampropoulos, Zoe Paraskevopoulou, and Benjamin Pierce. In ACM SIGPLAN Symposium on Principles of Programming Languages (POPL), 2018.
	A type theory for incremental computational complexity with control flow changes. Ezgi Cicek, Zoe Paraskevopoulou, and Deepak Garg. In ACM SIGPLAN International Conference on Functional Programming (ICFP), 2016.
	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 AND SEMINARS	**Dagstuhl Seminar:** Secure Compilation. Invited to participate. MAY 2018
	Summer School on Applied Functional Programming in Haskell AUGUST 2013 Utrecht University, Netherlands.
SERVICE	**Program Committee**, OCaml 2017
	Artifact Evaluation Committee, POPL 2017
RESEARCH INTERESTS	Programming languages theory and implementation, verified compilation, logic, software testing and verification