Zoe Paraskevopoulou

PERSONAL INFORMATION	**Webpage**: zoep.github.io	**Citizenship**:	Greek
	Email: zoe.paraskevopoulou@princeton.edu		

EDUCATION

PhD in Computer Science, Princeton University   SEPTEMBER 2015 TO JULY 2020 (EXPECTED)

Area: Programming Languages

Advisor: Andrew W. Appel

Teaching:

- COS 226: *Algorithms and Data Structures* (Spring 2017)
- COS 510: *Programming Languages* (Spring 2018, Spring 2019)

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

Thesis: *Self-Adjusting Computation for CostIt*

Advisor: Deepak Garg

Combined BS/MS in Engineering   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*

Advisor: Cătălin Hrițcu

EMPLOYMENT

Internship at Facebook	JUNE 2019 TO AUGUST 2019
Research Internship at Microsoft Research Redmond	JUNE 2018 TO AUGUST 2018
Research Internship at Microsoft Research Redmond	JUNE 2017 TO AUGUST 2017
Research Internship at Max Planck Institute of Software Systems	MARCH 2015 TO AUGUST 2015
Research Internship at INRIA Paris-Rocquencourt	APRIL 2014 TO SEPTEMBER 2014

SCHOLARSHIPS AND AWARDS

Siebel Scholars Fellowship   2019
Scholarship towards my final year of study at Princeton University

Stanley J. Seeger Hellenic Studies Prize   2015
Scholarship towards my first year of study at Princeton University

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.

PUBLICATIONS	*Closure Conversion is Safe for Space.* Zoe Paraskevopoulou, and Andrew Appel. In ACM SIGPLAN International Conference on Functional Programming (ICFP), 2019.
	Meta-F*: Proof Automation with SMT, Tactics, and Metaprograms. Guido Martínez, Danel Ahman, Victor Dumitrescu, Nick Giannarakis, Chris Hawblitzel, Cătălin Hrițcu, Monal Narasimhamurthy, Zoe Paraskevopoulou, Clément Pit-Claudel, Jonathan Protzenko, Tahina Ramananandro, Aseem Rastogi, and Nikhil Swamy. In European Symposium on Programming (ESOP), 2019.
	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, Cătălin Hrițcu, Maxime Dénès, Leonidas Lampropoulos, and Benjamin C. Pierce. In 6th International Conference on Interactive Theorem Proving (ITP), 2015.
WORKSHOP PAPERS	*ML as a Tactic Language, Again.* Guido Martínez, Danel Ahman, Victor Dumitrescu, Nick Giannarakis, Chris Hawblitzel, Cătălin Hrițcu, Monal Narasimhamurthy, Zoe Paraskevopoulou, Clément Pit-Claudel, Jonathan Protzenko, Tahina Ramananandro, Aseem Rastogi, and Nikhil Swamy. ML 2018.
	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. 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, Cătălin Hrițcu, Maxime Dénès, Leonidas Lampropoulos, and Benjamin C. Pierce. CoqPL 2015.
	QuickChick: Property-Based Testing for Coq. Maxime Dénès, Cătălin Hrițcu, Leonidas Lampropoulos, Zoe Paraskevopoulou, and Benjamin C. Pierce. The 6th Coq Workshop. July 2014.

OTHER COURSES AND SEMINARS	**Dagstuhl Seminar:** Secure Compilation. Invited participant.	MAY 2018
	Summer School in Applied Functional Programming in Haskell Utrecht University, Netherlands.	AUGUST 2013

SERVICE	**Program Committee**, TFP 2020
	Program Committee, ML 2019
	External Review Committee, ICFP 2019
	Program Committee, TyDe 2018
	Program Committee, OCaml 2017
	Artifact Evaluation Committee, POPL 2017

RESEARCH INTERESTS	Programming languages theory and implementation, verified compilation, logic, software testing and verification