

CONTACT INFORMATION	65 Clarendon Street, Apt 6 Boston, MA 02116 USA	tel: 212-535-8565 url: www.hyeyoungshin.org email: hyeyoungshinw@gmail.com
INTERESTS	Programming languages, logic, type theory and functional programming.	
EDUCATION	Northeastern University. <i>MSCS. in Computer Science.</i> 2017–2019 Advisor: Professor Amal Ahmed University of Hawai‘i, Mānoa. <i>Graded courses and exams in mathematics.</i> 2016–2017 Graduate courses: logic, recursion theory; undergraduate course: topology. Iowa State University. <i>Graded courses and exams in mathe and computer science.</i> 2014–2016 Graduate: PL (with Coq), computability; undergrad: abstract algebra, intro to proofs, calculus Kyeongpook National University. <i>Bachelor of Arts, English Language & Literature.</i> 2004–2009	
ADDITIONAL TRAINING	The Racket School of Semantics and Languages University of Utah Topics: semantics and language design 10 July–14 July 2017 Oregon Programming Languages Summer School University of Oregon Topics: dependent, gradual, and substructural type systems 26 June–8 July 2017 Midlands Graduate School in Foundations of Computing Science University of Birmingham Topics: type theory, denotational semantics, category theory 11–15 April 2016 Oregon Programming Languages Summer School University of Oregon Topics: type theory, logic, semantics, verification 20 June–2 July 2016 Functional Programming Principles in Scala École Polytechnique Fédérale de Lausanne Topics: 6-week online course with verified certificate Grade Achieved: 94%	
PROFESSIONAL EXPERIENCE	Iowa State University. <i>TA for COMS 228: Introduction to Data Structures</i> Fall 2015 Gyeongsan Girls’ High School. <i>English Teacher</i> 2009–2013	
PROGRAMMING EXPERIENCE	Coq. Graduate course in Programming Languages (COMS 541). Textbook: <i>Software Foundations</i> , by Pierce, et al. Java. Courses and exams in oop and data structures (noted above). Served as TA for the undergraduate data structures course taught using Java. Racket. Implemented an interpreter generator parametrized by representations of environment and closure. (Textbook: <i>Essentials of Programming Languages</i> , by Friedman and Wand) Scala. 6-week online course taught by Martin Odersky. Earned certificate (noted above) SML. Implemented a compiler that compiles Tiger language to MIPS assembly. (Textbook: <i>Modern Compiler Implementation in ML</i> , by Appel)	
AWARDS	Northeastern University Ph.D. Graduate Fellowship Boston, 2017–2018 Scholarships to attend Oregon Programming Languages Summer Schools Eugene, 2016, 2017 Scholarship to attend POPL Programming Languages Mentoring Workshop St. Petersburg, 2016 Scholarship to attend ICFP Programming Languages Mentoring Workshop Vancouver, 2015	
RESEARCH	A fully abstract compilation from a total to a partial language. H. Shin (submitted to POPL’19SRC)	
LEADERSHIP	Organizer of <i>PL Jr. Study & Research Group</i> , Northeastern University 2018-2019	