

CONTACT INFORMATION	Naplavni 1772/2, Apt 53 Prague 2, 120 00 Czech Republic	tel: +420 603-535-554 url: <a href="http://www.hyeyoungshin.org">www.hyeyoungshin.org</a> email: <a href="mailto:hyeyoungshinw@gmail.com">hyeyoungshinw@gmail.com</a>
INTERESTS	Programming languages, type theory, and functional programming	
EDUCATION	<b>Northeastern University.</b> MS in Computer Science Advisor: <a href="#">Professor Amal Ahmed</a>	2017–2019
	<b>University of Hawai‘i, Mānoa.</b> Course work in mathematics and computer science Graduate: logic, recursion theory; undergraduate: concurrent programming, topology	2016–2017
	<b>Iowa State University.</b> Course work in mathematics and computer science Graduate: Programming languages, formal methods, computability; Undergraduate: OOP, data structures, algorithms, abstract algebra, intro to proofs, calculus	2014–2016
	<b>Kyeongpook National University.</b> Bachelor of Arts, English Language and Literature	2004–2009
ADDITIONAL TRAINING	<a href="#">Midlands Graduate School in Foundations of Computing Science</a> Topics: lambda calculus, category theory, univalent type theory in Agda	University of Birmingham April 2019
	<a href="#">The Racket School of Semantics and Languages</a> Topics: semantics and language design	University of Utah July 2017
	<a href="#">Oregon Programming Languages Summer School</a> Topics: dependent, gradual, and substructural type systems	University of Oregon June 2017
	<a href="#">Midlands Graduate School in Foundations of Computing Science</a> Topics: type theory, denotational semantics, category theory	University of Birmingham April 2016
	<a href="#">Oregon Programming Languages Summer School</a> Topics: type theory, logic, semantics, verification	University of Oregon June 2016
	<a href="#">Functional Programming Principles in Scala</a> Topics: 6-week online course with <a href="#">verified certificate</a>	École Polytechnique Fédérale de Lausanne Grade Achieved: 94%
PROFESSIONAL EXPERIENCE	<b>Czech Technical University.</b> Researcher on the Signatr Project Supervisor: <a href="#">Professor Jan Vitek</a> and <a href="#">Christoph Kirsch</a>	2019–2021
	<b>Czech Technical University.</b> TA for OOP design course by <a href="#">Filip Krikava</a>	Fall 2020
	<b>Iowa State University.</b> TA for data Structures course by <a href="#">Yan-Bin Jia</a>	Fall 2015
	<b>Gyeongsan Girls’ High School.</b> English Teacher	2009–2013
RESEARCH	<i>The Signatr Project:</i> developing a system for inferring function types in R programs with Jan Vitek, Christoph Kirsch, Filip Krikava, and Yuan Cao <i>A fully abstract compilation from a total to a partial language.</i> H. Shin (submitted to POPL)	
PROGRAMMING EXPERIENCE	<b>R.</b> Build tracer and database for function arguments and return values for a research project <b>Racket.</b> Implement <a href="#">interpreter generator</a> parametrized by representations of env and closure <b>SML.</b> Implement compiler that compiles <a href="#">Tiger language</a> to MIPS assembly. <b>Other.</b> Scala, Java, Git, L <sup>A</sup> T <sub>E</sub> X	
AWARDS	Northeastern University Ph.D. Graduate Fellowship Scholarships to attend <a href="#">Oregon Programming Languages Summer Schools</a> Scholarship to attend <a href="#">POPL Programming Languages Mentoring Workshop</a> Scholarship to attend <a href="#">ICFP Programming Languages Mentoring Workshop</a>	Boston, 2017–2018 Eugene, 2016, 2017 St. Petersburg, 2016 Vancouver, 2015
LEADERSHIP	Organizer of <i>PL Jr. Study &amp; Research Group</i> , Northeastern University	2018–2019