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CONTACT INFORMATION	91 Camino Bosque Boulder, CO 80302	<a href="http://www.hyeyoung.org">www.hyeyoung.org</a> <a href="mailto:hyeyoungshinw@gmail.com">hyeyoungshinw@gmail.com</a>
PROFESSIONAL IDENTIFICATION	Intermediate-level Research and Development Engineer with two years of post-masters experience in academia and two years in industry, passionate about solving complex problems with logic and data-driven solutions.	
EDUCATION	<b>Master of Science in Computer Science</b> Project: <a href="#">Secure Compilation</a>	Northeastern University 2019 Advisor: <a href="#">Amal Ahmed</a>
	<b>Bachelor of Arts in English Language and Literature</b>	Kyeongpook National University 2009
PROFESSIONAL EXPERIENCE	<b>Library Engineer</b> Developed an advanced graph analytics library for the knowledge graph coprocessor.	<a href="#">RelationalAI</a> 2022–2024
	<b>Research and Development</b> Contributed to an <a href="#">open-source, data-driven fuzzing tool for R</a> , enhancing software reliability and security.	<a href="#">Programming Research Laboratory</a> , Czech Technical University 2019–2021
	<b>Teaching Assistant</b> Educated international students in Object-Oriented Programming (OOP) design using Scala.	Czech Technical University Fall 2020
	<b>Research Assistant</b> Worked on secure compilation projects, focusing on enhancing the safety and security of software systems through innovative compilation verification techniques.	<a href="#">Programming Research Laboratory</a> , Northeastern University Fall 2018
	<b>Teaching Assistant</b> Led weekly recitations for a Java data structures course, providing hands-on learning and support to students.	Iowa State University Fall 2015
PUBLICATIONS AND PROJECTS	<ul style="list-style-type: none"><li>• <b>Graph Analytics Library</b>: Played a key role in developing a comprehensive graph analytics toolkit at <a href="#">RelationalAI</a> for the knowledge graph coprocessor, transforming raw data into actionable insights and enabling data-driven decision-making.</li><li>• <b>Data-Driven Fuzzing Tool for R</b>: Developed at the <a href="#">Programming Research Laboratory</a>, Czech Technical University, improving the robustness of R applications and contributing to the open-source community.</li><li>• <b>Secure Compilation Research</b>: Participated in a project aimed at enhancing software security through advanced compilation verification techniques, with an <a href="#">abstract</a> submitted to a <a href="#">student research competition at Principles of Programming Languages 2019</a>.</li></ul>	
TECHNICAL SKILLS	<b>Programming Languages</b> : R, Scala, Java, Python <b>DevOps</b> : Docker, AWS, Azure <b>Tools &amp; Platforms</b> : Git, Github, Gitlab, JIRA, Emacs, Visual Studio Code <b>Testing</b> : Unit Testing, Integration Testing, CI/CD	
HONORS	Northeastern University Graduate Fellowship <a href="#">Programming Languages Mentoring Workshop Scholarship</a> <a href="#">Oregon Programming Languages Summer Schools fellowship</a>	2018 2016, 2017 2016, 2017