

| | | |
|-----------------------------|---|--|
| CONTACT INFORMATION | 91 Camino Bosque Boulder, CO 80302 | www.hyeyoung.org hyeyoungshinw@gmail.com |
| PROFESSIONAL IDENTIFICATION | Intermediate-level Research and Development Engineer passionate about solving complex problems with logic and data-driven solutions. | |
| EDUCATION | Master of Science in Computer Science Project: Secure Compilation | Northeastern University 2019 Advisor: Amal Ahmed |
| | Bachelor of Arts in English Language and Literature Kyeongpook National University 2009 | |
| PROFESSIONAL EXPERIENCE | Library Engineer Developed an advanced graph analytics library, transforming raw data into actionable insights and enabling data-driven decision-making. | RelationalAI 2022–2024 |
| | Research and Development 2019–2021 Contributed to an open-source, data-driven fuzzing tool for R , enhancing software reliability and security. | Programming Research Laboratory , Czech Technical University |
| | Teaching Assistant Educated international students in Object-Oriented Programming (OOP) design using Scala. | Czech Technical University Fall 2020 |
| | Research Assistant Worked on secure compilation projects, focusing on enhancing the safety and security of software systems through innovative compilation verification techniques. | Programming Research Laboratory , Northeastern University Fall 2018 |
| | Teaching Assistant 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">• Graph Analytics Library: Played a key role in developing a comprehensive graph analytics toolkit at RelationalAI, enhancing decision-making capabilities through advanced data analysis.• Data-Driven Fuzzing Tool for R: Developed at the Programming Research Laboratory, Czech Technical University, improving the robustness of R applications and contributing to the open-source community.• Secure Compilation Research: Participated in a project aimed at enhancing software security through advanced compilation verification techniques, with an abstract submitted to a student research competition at Principles of Programming Languages 2019. | |
| TECHNICAL SKILLS | Programming Languages : R, Scala, Java, Python DevOps : Docker, AWS, Azure Tools & Platforms : Git, Github, Gitlab, JIRA, Emacs, Visual Studio Code Testing : Unit Testing, Integration Testing, CI/CD | |
| HONORS | Northeastern University Graduate Fellowship Programming Languages Mentoring Workshop Scholarship Oregon Programming Languages Summer Schools fellowship | 2018 2016, 2017 2016, 2017 |