Huimin Hu

Ph.D. student in Computer Science

CISPA Helmholtz Center for Information Security
Stuttgart, Germany
✉ huhuimin236.gmail.com
🌐 hhyemin.github.io

Education

2022-Now	**Ph.D. student in Computer Science**, *CISPA Helmholtz Center for Information Security*, *Germany* University of Stuttgart, Germany (Oct 2022-Aug 2025); transferred to CISPA (Sep 2025-present)
2020-2022	**Master's degree in Computer Science**, *University of Seoul*, *South Korea*
2015-2019	**Bachelor's degree in Network Engineering**, *Xinzhou Teachers University*, *China* Selected awards: Outstanding Graduate/Top 4%, Merit Student/Top 2%, First Prize Scholarship/Top 5%

Experience

2025-Now	**Research Assistant**, *CISPA Helmholtz Center for Information Security*, Germany Advised by Prof. Dr. Michael Pradel. The work so far has focused on analyzing programs in multiple programming languages, identifying new features and phenomena in real-world projects, and proposing methods to improve static or dynamic analysis.
2022-2025	**Research and Teaching Assistant**, *University of Stuttgart*, Germany Advised by Prof. Dr. Michael Pradel. Teaching: Programming Paradigms, Machine Learning for Programming (Seminar) and Program Analysis.
2020-2022	**Research and Teaching Assistant**, *University of Seoul*, South Korea Advised by Prof. Dr. Byungjeong Lee. Mainly focused on machine learning-based automatic bug repair. Teaching: Object-oriented Programming and Practice.
07-12.2021	**Internship/Software Testing**, *Yonsei University Wonju Health System*, South Korea A collaborative project with 2 universities and 3 technology companies to test a big data platform called *Lifelog*. The platform is authorized to store medical data from 13 large hospitals in South Korea to share medical information between hospitals and promote medical development.
07-08.2017	**Internship/Application Interface Design**, *Shanxi Unique technology*, China Interface design for an online shopping mall app, *Creative Life*, to provide a better visual experience for users.

Publications

ICSE 2026	CodeMapper: A Language-Agnostic Approach to Mapping Code Regions Across Commits [pdf] <u>Huimin Hu</u>, Michael Pradel
FSE 2025	An Empirical Study of Suppressed Static Analysis Warnings [pdf] <u>Huimin Hu</u>, Yingying Wang, Julia Rubin, Michael Pradel
JIPS 2022	Applying Token Tagging to Augment Dataset for Automatic Program Repair <u>Huimin Hu</u>, Byungjeong Lee
KCSE 2022	Towards Multi-Chunk Bug Repair with Buggy Block and CodeBERT Jisung Kim, <u>Huimin Hu</u>, Geunseok Yang, Byungjeong Lee. **Excellent Presenter Award**
KSC 2021	Towards Utilizing CodeBERT with Buggy Block for Multi-Line Bug Repair Jisung Kim, <u>Huimin Hu</u>, Byungjeong Lee. **With a patent**
KCC 2021	Automated Program Repair using Code blocks and NMT model <u>Huimin Hu</u>, Geunseok Yang, Byungjeong Lee, Byungdo Kang
KCSE 2021	A Novel Technique of Program Bug Repair by using Code Block and LSTM Algorithm <u>Huimin Hu</u>, Geunseok Yang, Byungjeong Lee
HCI 2021	Bounce: Designing an EKG Monitoring Application Using a Wearable Sensor through a Design Thinking Process. Shinsil Kang, Youngsoo Song, <u>Huimin Hu</u>, Hyunggu Jung
KSC 2020	Towards Automatic Program Repair Based on Code Block and GAN Algorithm <u>Huimin Hu</u>, Geunseok Yang, Byungjeong Lee. **With a patent**

Updated November 2025. References and certificates on request.