

Huimin Hu

Ph.D. student in Computer Science

University of Stuttgart
Baden-Württemberg, Germany
✉ huhuimin236@gmail.com
🌐 [hhyemin.github.io](https://github.com/hhyemin)

Education

- 2022-Now **Ph.D. student in Computer Science**, *University of Stuttgart, Germany*
Expected to graduate in August 2026. Able to participate in internships.
- 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

- 2022-Now **Research and Teaching Assistant**, *University of Stuttgart, Germany*
Advised by Prof. Dr. Michael Pradel. So far, focus on program analysis of multiple program languages, discover new features and phenomena in projects and propose approaches to improve static analysis.
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.

Work on Program Analysis

- 2022-2023 Suppressions and warnings in Python, Java, and JavaScript. **Submitted to a top-tier conference**

Work on Automatic Program Repair | Papers and Patents

- JIPS 2022 Applying Token Tagging to Augment Dataset for Automatic Program Repair
[Huimin Hu](#), Byungjeong Lee
- KCSE 2022 Towards Multi-Chunk Bug Repair with Buggy Block and CodeBERT
Jisung Kim, [Huimin Hu](#), Geunseok Yang, Byungjeong Lee. **Excellent Presenter Award**
- KSC 2021 Towards Utilizing CodeBERT with Buggy Block for Multi-Line Bug Repair
Jisung Kim, [Huimin Hu](#), Byungjeong Lee. **With a patent**
- KCC 2021 Automated Program Repair using Code blocks and NMT model
[Huimin Hu](#), Geunseok Yang, Byungjeong Lee, Byungdo Kang
- KCSE 2021 A Novel Technique of Program Bug Repair by using Code Block and LSTM Algorithm
[Huimin Hu](#), Geunseok Yang, Byungjeong Lee
- KSC 2020 Towards Automatic Program Repair Based on Code Block and GAN Algorithm
[Huimin Hu](#), Geunseok Yang, Byungjeong Lee. **With a patent**

Work on Human-computer Interaction

- HCI 2021 Bounce: Designing an EKG Monitoring Application Using a Wearable Sensor through a Design Thinking Process. Shinsil Kang, Youngsoo Song, [Huimin Hu](#), Hyunggu Jung

Updated November 2023. References and certificates on request.