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Research fields
Software Engineering
Deep Learning

Key Words
Large Language Model
Model Checking
Formal Approach
SE4AI

Subject of research on Data Science :

Robustness of Model
Application of LLM to software systems

1. Toshifusa Sekizawa, Naoaki Yonezawa, Kozo Okano, Keitaro Naruse: "A study of multi- robot tracking problem in one-dimensional system using probabilistic model checking," IEICE Transactions on Information and Systems, Vol.E108, No.8, to appear (2025)

2. Kozo Okano, Daichi Ofuchi, Shinpei Ogata, and Shin Nakajima: "Training Data Debug- ging through a Lens of Outliers in Neuron Coverage," Proceedings of 2024 Conference on AI, Science, Engineering, and Technology (AIxSET), pp.297-304 (October 2024)

3. Takuma Ikeda, Hitoshi Kiryu, Satoshi Suda, Shinpei Ogata, Kozo Okano: "Fault Localization with Virtual Coverage and Supervised Learning based on Execution Count Information," International Journal of Informatics Society, Vol.16, No.1, pp.33-42 (2024)

4. Maiko Onishi, Shinpei Ogata, Kozo Okano, and Daisuke Bekki: "Temporal relation identification in functional requirements," Proceedings of 27th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, pp.1161-1170 (September 2023)

5. Chellet Marwan Bernard Hassan, Shinpei Ogata, and Kozo Okano: "Executable Counterexample for Java Model Checker," International Journal of Informatics Society, Vol.13, No.3, pp.107-114 (2022)