

Research on image recognition in UI testing

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Abstract: The research focuses on automating the user interface (UI) testing process by applying the YOLO object detection algorithm. The system can automatically detect and classify interface components such as buttons and input fields from application screenshots. This helps reduce manual errors and increase the speed of software testing. The project was carried out from building a labeled dataset to training and evaluating the model on real-world scenarios.

Keywords: UI testing, YOLO, Object detection

References

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