

Squirrel Ai Secures 5 Papers at ACL 2025, Highlighting Breakthrough in AI Education

LOS ANGELES, CA, UNITED STATES, August 27, 2025 /EINPresswire.com/ -- The 63rd International Conference on Computational Linguistics (ACL 2025), held in Vienna, Austria, recently concluded. As the world's premier academic event in computational linguistics and natural language processing (NLP) and a Category A conference recommended by the China Computer Federation (CCF), it consistently ranks first in NLP research influence. Notably, [Squirrel Ai](#) published five papers, with its groundbreaking study "MathAgent: Leveraging a Mixture-of-Math-Agent Framework for Real-World Multimodal Mathematical Error Detection" selected as an oral presentation in the Industry Track. This recognition underscores the platform's innovative AI-powered educational technologies gaining global acknowledgment.

The 2025 ACL conference, held in a hybrid online-offline format, attracted over 3,000 registered participants worldwide, with the number of submitted papers surging to 8,360—a significant increase from previous years. The Main Conference accepted 1,699 papers, resulting in an acceptance rate of just 20.3%, while Findings accepted 1,392 papers with an acceptance rate of 16.7%.

As a leading authority in international AI education, Dr. Qingsong Wen, Chief Scientist of Squirrel Ai and Director of its AI Research Institute, has dedicated himself to advancing AI educational technologies. His research achievements have been featured in prestigious academic conferences including NeurIPS, ICML, ICLR, and AAAI, with over 100 published papers contributing to the robust foundation for Squirrel Ai's large-scale implementation of AI education solutions.



Qingsong Wen ✓ • You
Head of AI @ Squirrel AI, PhD Supervisor @ University of Oxford...
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Glad that we have **Five** papers at The 63rd Annual Meeting of the Association for Computational Linguistics ([#ACL2025](#)), with our innovative work related to **AI for Education, Time Series, Safety,** ...more

- [ACL'25] Yibo Yan, Shen Wang, Jiahao Huo, Philip S. Yu, Xuming Hu*, Qingsong Wen*, "MathAgent: Leveraging a Mixture-of-Math-Agent Framework for Real-World Multimodal Mathematical Error Detection," in the 63rd Annual Meeting of the Association for Computational Linguistics (ACL 2025), Vienna, Austria, Jul. 27 - Aug. 1, 2025. (ACL Industry Oral). [arXiv]
- [ACL'25] Hang Li, Tianlong Xu, Kaiqi Yang, Yucheng Chu, Yanling Chen, Yichi Song, Qingsong Wen, Hui Liu, "Ask-Before-Detection: Identifying and Mitigating Conformity Bias in LLM-Powered Error Detector for Math Word Problem Solutions," in the 63rd Annual Meeting of the Association for Computational Linguistics (ACL 2025), Vienna, Austria, Jul. 27 - Aug. 1, 2025. (ACL Main). [arXiv]
- [ACL'25] Yaxuan Kong, Yiyuan Yang, Yoonae Hwang, Wenjie Du, Stefan Zohren, Zhenyang Wang, Ming Jin*, Qingsong Wen*, "Time-MQA: Time Series Multi-Task Question Answering with Context Enhancement," in the 63rd Annual Meeting of the Association for Computational Linguistics (ACL 2025), Vienna, Austria, Jul. 27 - Aug. 1, 2025. (ACL Main). [arXiv]
- [ACL'25] Miao Yu, Shilong Wang, Guibin Zhang, Junyuan Mao, Chenlong Yin, Qijiong Liu, Kun Wang, Qingsong Wen, Yang Wang, "NetSafe: Exploring the Topological Safety of Multi-agent System," in the 63rd Annual Meeting of the Association for Computational Linguistics (ACL 2025), Vienna, Austria, Jul. 27 - Aug. 1, 2025. (ACL Findings). [arXiv]
- [ACL'25] Yibo Yan, Jiamin Su, Jiansheng He, Fangteng FU, Xu Zheng, Yuanhuiyi Lyu, Kun Wang, Shen Wang, Qingsong Wen, Xuming Hu, "A Survey of Mathematical Reasoning in the Era of Multimodal Large Language Model: Benchmark, Method & Challenges," in the 63rd Annual Meeting of the Association for Computational Linguistics (ACL 2025), Vienna, Austria, Jul. 27 - Aug. 1, 2025. (ACL Findings). [arXiv]



**ACL 2025
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Notably, Squirrel Ai's comprehensive intelligent adaptive education platform has delivered AI-powered educational services to 60,000 schools and 43 million students worldwide. The recent international debut of Squirrel Ai at the ACL 2025 conference, led by Dr. Qingsong Wen, has significantly advanced the platform's large-scale implementation and educational equity initiatives. This milestone also exemplifies Squirrel Ai's commitment to industry-academia-research collaboration, showcasing its innovative approach to bridging knowledge with practical applications.

Dr. Qingsong Wen contends that traditional teaching methods exhibit significant limitations, particularly in analyzing and correcting students "reasons for errors". The conventional educational model predominantly relies on teachers' subjective assessments, lacking systematic dissection of "root causes" and multidimensional evaluation. In most cases, knowledge reinforcement remains confined to repetitive practice exercises—a approach that inevitably diminishes both learning efficiency and instructional effectiveness.

To address this, Dr. Qingsong Wen led the Squirrel Ai team in developing "math error detection" research, with the core objective of establishing a systematic error analysis framework. The study focuses on key competency dimensions in math education scenarios, including: monitoring students' problem-solving processes, analyzing mathematical error knowledge points, and generating personalized correction plans. Through rigorous teaching controls and validation using over 20 billion learning behavior data points, this approach achieves a leap from "result-based corrections" to "root-cause rectification".

This research holds dual significance. Firstly, it provides crucial insights into the current limitations of AI's knowledge "error analysis" capabilities, while charting the course for large models in multimodal information integration and deep logical reasoning. Secondly, it charts the course for future AI education research by focusing on technologies that deepen teaching methodologies. This approach drives personalized education toward "precise implementation," fostering a more reliable and efficient intelligent education ecosystem. Ultimately, it serves to enhance both educational equity and learning efficiency.

As an innovative enterprise that restructures the boundaries of the AI education industry with technological breakthroughs, Squirrel Ai's recognition at the international summit ACL 2025 is not only a concentrated display of its technical strength, but also confirms its foresight in restructuring the education ecology with "a comprehensive intelligent adaptive education model".

From a technical perspective, Squirrel Ai's competitive edge lies in transcending the limitations of traditional text-based education models. By leveraging a multimodal intelligent adaptive education engine, it establishes a complete learning ecosystem encompassing "diversified support, precise analysis, and personalized instruction." Its advanced recommendation algorithms and deep knowledge tracking capabilities enable accurate identification of students

knowledge gaps and cognitive patterns, transforming passive learning into active engagement to drive efficient, customized education. To date, Squirrel Ai has established over 3,000 smart learning device stores nationwide, achieving widespread adoption of personalized education. This breakthrough has transformed the concept of "teaching according to individual aptitude" into a scalable reality, making it a tangible practice in education.

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