

# Stanford

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## Pei Huang (# #)

Postdoctoral Scholar, Computer Science

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### Bio

#### STANFORD ADVISORS

- Clark Barrett, Postdoctoral Faculty Sponsor

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### Research & Scholarship

#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Automated Reasoning, Trustworthy AI, Neural Symbolic Methods, Constraint Solving

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### Publications

#### PUBLICATIONS

- **Word Level Robustness Enhancement: Fight Perturbation with Perturbation** (*AAAI2022*)  
Huang, P., Yang, Y., Jia, F., Liu, M., Ma, F., Zhang, J.  
2022: 10785-10793
- **#-Weakened robustness of deep neural networks** (*ISSTA2022*)  
Huang, P., Yang, Y., Liu, M., Jia, F., Ma, F., Zhang, J.  
2022: 126-138
- **Efficient SAT-Based Minimal Model Generation Methods for Modal Logic S5** (*SAT2021*)  
Huang, P., Li, R., Liu, M., Ma, F., Zhang, J.  
2021: 225-241
- **Learning the Satisfiability of Pseudo-Boolean Problem with Graph Neural Networks** (*CP2020*)  
Liu, M., Zhang, F., Huang, P., Niu, S., Ma, F., Zhang, J.  
2020: 885-898
- **Solving the Satisfiability Problem of Modal Logic S5 Guided by Graph Coloring** (*IJCAI2019*)  
Huang, P., Liu, M., Wang, P., Zhang, W., Ma, F., Zhang, J.  
2019: 1093-1100
- **Approximating Integer Solution Counting via Space Quantification for Linear Constraints** (*IJCAI2019*)  
Ge, C., Ma, F., Ma, X., Zhang, F., Huang, P., Zhang, J.  
2019: 1697-1703
- **Investigating the Existence of Orthogonal Golf Designs via Satisfiability Testing** (*ISSAC2019*)  
Huang, P., Liu, M., Ge, C., Ma, F., Zhang, J.  
2019: 203-210
- **Investigating the Existence of Large Sets of Idempotent Quasigroups via Satisfiability Testing** (*IJCAR2018*)

Huang, P., Ma, F., Ge, C., Zhang, J., Zhang, H.

2018: 354-369