

# Stanford

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## Rachel Cleaveland

Ph.D. Student in Computer Science, admitted Autumn 2021

### Bio

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I am a 5th-year PhD student at Stanford University, advised by Clark Barrett. My research focuses on applications of the theory of strings within symbolic execution as well as memory model verification.

### Publications

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#### PUBLICATIONS

- **Memory Consistency Model-Aware Cache Coherence for Heterogeneous Hardware** *Formal Methods in Computer-Aided Design*  
Cleaveland, R., Trippel, C.  
2024
- **Formally Verified Next-generation Airborne Collision Avoidance Games in ACAS X** *ACM TRANSACTIONS ON EMBEDDED COMPUTING SYSTEMS*  
Cleaveland, R., Mitsch, S., Platzer, A.  
2023; 22 (1)