WUQIAN TANG

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RESEARCH INTERESTS

Logic Synthesis Optimization; Placement and Routing Optimization; Various Algorithms in Electronic Design Automation (EDA).

WORK EXPERIENCE

The Chinese University of Hong Kong Shenzhen Research Institute　　　　*Shenzhen, Mainland China*
Assistant Researcher in Design Automation Laboratory　　　　*Jan. 2024 – Mar. 2024*

EDUCATION

National Tsing Hua University　　　　*Hsinchu, Taiwan*
Ph.D. Student in Computer Science　　　　*Sep. 2023 – Present*
Supervisor: Prof. Chun-Yao Wang

National Tsing Hua University　　　　*Hsinchu, Taiwan*
M.S. in Computer Science　　　　*Sep. 2021 – Jul. 2023*
Supervisor: Prof. Chun-Yao Wang
Thesis: Model Reduction Using a Hybrid Approach of Genetic Algorithm and Rule-based Method

Ming Chuan University　　　　*Taoyuan, Taiwan*
B.S. in Computer Science and Information Engineering　　　　*Sep. 2017 – Jun. 2021*
Honor: Outstanding Contribution Award (2/115)　　　　*Graduation Ceremony*

SELECTED AWARDS AND HONORS

- "Qilin Cup" (top-1 from all 400+ teams) in Integrated Circuit EDA Elite Challenge　　*2023*
- Honorable Mention (4th Place) in 2023 CAD Contest @ ICCAD　　*2023*
- Third Place in 2023 EDAthon　　*2023*
- First Place Award in 2022 CAD Contest @ ICCAD　　*2022*
- National Tsing Hua University Mainland China Student Scholarship　　*2021 – 2024*
- Silver Award in International Collegiate Programming Contest (ICPC), Asia Taipei-Hsinchu Site　　*2020*

PUBLICATIONS

Conference Papers

[C3] **Wuqian Tang**, Yi-Ting Li, Kai-Po Hsu, Kuan-Ling Chou, You-Cheng Lin, Chia-Feng Chien, Tzu-Li Hsu, Yung-Chih Chen, Ting-Chi Wang, Shih-Chieh Chang, TingTing Hwang, and Chun-Yao Wang, "A Hybrid Approach to Reverse Engineering on Combinational Circuits", IEEE/ACM Proceedings Design, Automation and Test in Europe (**DATE**), Valencia, Spain, Mar. 25–27, 2024.

[C2] Chuan-Shun Huang, **Wuqian Tang**, Yung-Chih Chen, Yi-Ting Li, Shih-Chieh Chang, Chun-Yao Wang, "An Efficient Approach to Iterative Network Pruning", Workshop on Synthesis And System Integration of Mixed Information technologies (**SASIMI**), Taipei, Taiwan, Mar.11–12, 2024.

[C1] **Wuqian Tang**, Chuan-Shun Huang, Yung-Chih Chen, Yi-Ting Li, Shih-Chieh Chang, Chun-Yao Wang, "Model Reduction Using a Hybrid Approach of Genetic Algorithm and Rule-based Method", Workshop on Synthesis And System Integration of Mixed Information technologies (**SASIMI**), Taipei, Taiwan, Mar.11–12, 2024.

SKILLS AND OTHERS

Languages: Verilog, C/C++, Java, Python, SQL, and MATLAB.

Certification: Expert Level in Collegiate Programming Examination (CPE), certified by ACM-ICPC Contest Council for Taiwan.

Hobbies: Badminton, Traditional Chinese and oracle bone script.