

Hanyu Wang

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Badenerstrasse 427
8003 Zurich, Switzerland

EDUCATION

- 09/2021 - present **Master of Science**, Electrical Engineering Information Technology
Swiss Federal Institute of Technology Zurich
GPA: 5.60/6.00
- 09/2017 - 08/2021 **Bachelor of Engineering**, Electrical and Computer Engineering
University of Michigan-Shanghai Jiao Tong University Joint Institute
GPA: 3.79/4.00 Ranking: 4/148

EXPERIENCE

- 10/2021 - present **Research Intern**, Integrated Systems Laboratory
EPFL, Lausanne, Switzerland
Advisor: Prof. Giovanni De Micheli
- 06/2019 - 09/2021 **Research Intern**, Emerging Computing Technology Laboratory
Shanghai Jiao Tong University, Shanghai, China
Advisor: Dr. Weikang Qian
- 05/2020 - 11/2020 **Research Intern**, Computer Systems Laboratory
Cornell University, Ithaca, USA
Advisor: Dr. Zhiru Zhang
- 01/2020 - 05/2020 **Exchange Student**, Electrical and Computer Engineering
University of Wisconsin Madison, Wisconsin, USA
GPA: 4.00/4.00
- 12/2018 - 02/2019 **Exchange Student**, German Language Program
Technical University of Berlin, Berlin, Germany

TEACHING

- 09/2022 - present **Teaching Assistant**, VLSI 1: HDL based design for FPGAs
ETH Zurich
- 05/2019 - 08/2019 **Teaching Assistant**, VE475 Introduction to Cryptography
University of Michigan-Shanghai Jiao Tong University Joint Institute
- 09/2019 - 12/2019 **Teaching Assistant**, VP260 Honors Physics II
University of Michigan-Shanghai Jiao Tong University Joint Institute
- 05/2019 - 08/2019 **Teaching Assistant**, VP160 Honors Physics I
University of Michigan-Shanghai Jiao Tong University Joint Institute

SELECTED PROJECTS

- 03/2022 - 07/2022 **IWLS Programming Contest 2022**
EPFL, Lausanne, Switzerland
- Synthesized multi-output completely specified functions.
 - Won 1st place in the global contest.
- 01/2020 - 04/2020 **Global Router Course Competition**, ECE556
University of Wisconsin Madison, Wisconsin, USA
- Implemented Global Router with heterogeneous Rip-up Re-Routing
 - Won 1st place in the contest 2020 with the lowest wirelength.

HONORS & AWARD

11/2020 **Scholarship:** Sam and Daisy Wu Research Scholarship (1 out of 162)
11/2018 **Scholarship:** Yu Liming Scholarship (6 out of 325)
11/2018 **Scholarship:** Undergraduate Excellence Scholarship
09/2017 **Scholarship:** John Wu & Jane Sun Excellence Scholarship

LANGUAGE SKILLS

- Chinese: Native
- English: GRE 325 (V:155 Q:170 AW:4)
 TOEFL 109 (R:30 L:25 S:27 W:27)
- German: Goethe A2

PUBLICATIONS

- C2. **H. Wang**, S. Lee, and G. De Micheli, *A Cost-generic Resubstitution Algorithm with Customizable Cost Functions*, International Workshop on Logic and Synthesis (IWLS), Jul. 2022.
- C1. Y. Zhou, **H. Wang**, J. Yin, and Z. Zhang, *Distilling Arbitration Logic from Traces using Machine Learning: A Case Study on NoC*, to appear in Design Automation Conference (DAC), Dec. 2021. (Best Paper Nominee)