

# WANG FANGZHOU

📍 Room 913, Ho Sin Hang Engineering Building, CUHK

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## EDUCATION

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<b>The Chinese University of Hong Kong</b> <i>Ph.D. in Computer Science (Supervised by Prof. Evangeline F.Y. Young)</i>	<i>Aug 2019 - Current</i>
<b>City University of Hong Kong</b> <i>B.S. in Computer Science (First Class Honours), CGPA: 3.94/4.30 (Ranking 2 / 91)</i>	<i>Aug 2015 - Jul 2019</i>
<b>Tsinghua University</b> <i>Exchange student in Department of Computer Science and Technology</i>	<i>Sep 2016 - Jan 2017</i>

## RESEARCH INTERESTS

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- ◇ VLSI Physical Design Automation
- ◇ Algorithm Design
- ◇ Machine Learning

## EXPERIENCES

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<b>Part-time Research Assistant, CityU</b> • Working on final year project under the supervision of Dr. XU Hong Work on a deep learning based video super-resolution system. We improve the inference speed of existing solution by an order of magnitude with some novel techniques.	<i>Sep 2018 - Apr 2019</i>
<b>Full-time Research Assistant, CityU</b> • Working on machine learning system under the supervision of Dr. XU Hong Work on scheduling mechanism between nodes in distributed machine learning to speed up the training process.	<i>June, 2018 - Aug 2018</i>
<b>Teaching support for CS3334 Data Structure, CityU</b> • Being Teaching support for CS3334 Data Structures Set up assignments relating to data structures and algorithms.	<i>Aug 2017 - Dec 2017</i>
<b>CityU ACM-ICPC team member, CityU</b> • Joining programming contests representing CityU and win several awards	<i>Aug 2016 - Dec 2018</i>
<b>Assistant Analyst Programmer, HKEx</b> • Data processing and report generation	<i>Aug 2017 - May 2018</i>

## AWARDS

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◇ 1st Place Award at ISPD 2020 Contest on “Wafer-Scale Deep Learning Accelerator Placement”	<i>2020</i>
◇ 1st Place Award in ICCAD 2019 Contest on “LEF/DEF Based Open-Source Global Router”	<i>2019</i>
◇ Full Postgraduate Studentship of CUHK	<i>2019 - Current</i>
◇ The Department of Computer Science Outstanding Student Scholarship	<i>2019</i>
◇ The College of Engineering Dean’s Scholarship (no more than 5 granted each year)	<i>2019</i>
◇ HKSAR Government Scholarship Fund – <i>Talent Development Scholarship</i>	<i>2019, 2020</i>
◇ Bronze Medal in the 2018 ACM-ICPC Asia Regional (Xuzhou)	<i>2018</i>
◇ Silver Award in the 2018 ACM-ICPC China Multi-Provincial Collegiate Programming Contest	<i>2018</i>
◇ CityU Full Tuition Scholarship	<i>2015 - 2019</i>
◇ Dean’s List of College of Engineering of CityU	<i>2015 - 2019</i>

## PUBLICATIONS

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### Journal Papers

- [J1] Itai Feigenbaum, Minming Li, Jay Sethuraman, **Fangzhou Wang**, Shaokun Zou, “Strategic facility location problems with linear single-dipped and single-peaked preferences”, *Autonomous Agents and Multi-Agent Systems* 34, no. 2 (2020): 1-47.

### Conference Papers

- [C2] Bentian Jiang, Jingsong Chen, Jinwei Liu, Lixin Liu, **Fangzhou Wang**, Xiaopeng Zhang, Evangeline F. Y. Young, “CU.POKer: Placing DNNs on Wafer-Scale AI Accelerator with Optimal Kernel Sizing”, The 39th IEEE/ACM International Conference on Computer-Aided Design (ICCAD), San Diego, CA, USA, Nov. 2-5, 2020.
- [C1] Jinwei LIU, Chak-Wa Pui, **Fangzhou WANG**, Evangeline F. Y. Young, “CUGR: Detailed-Routability-Driven 3D Global Routing with Probabilistic Resource Model”, ACM/IEEE Design Automation Conference (DAC), San Francisco, July 19-23, 2020.

## LANGUAGES

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- ◇ Chinese (Native speaker), English (Fluent), Cantonese (Fluent)

## EXTRA-CIRRICULAR

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| ◇ Championship in the 12th Hong Kong School Harmonica Competition(Orchestra Category (Senior))               | 2018        |
| ◇ Second Place in the 6 <sup>th</sup> Seoul International Harmonica Festival(Small Orchestra Adult Category) | 2018        |
| ◇ Member of CityU Harmonica Team   | 2016 - 2019 |
| ◇ Volunteer of CYEP, CityU   | 2016 - 2017 |
| ◇ Member of Hall Tennis Team, CityU  | 2016        |