

Yihan Lin

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github: github.com/lyh983012

Education

9/2020~	Ph.D. student	Tsinghua University
	Center for Brain-Inspired Computing Research	
9/2016~7/2020	Undergraduate student (B.S. degree) GPA: 3.85/4	Tsinghua University
	(2/61)	
	Major in Instruments Science and Technology	
	Department of Precision Instrument	
9/2018~7/2020	Minor Degree in CS GPA: 3.91/4	Tsinghua University
	Department of Computer Science and Technology	

Research Interests

- Spiking Neuron Network
- Complex System Control
- Low Level Computer Vision
- Hardware for Artificial Intelligence

Publications

1. Yihan Lin, Jiawei Sun, Guoqi Li, et al. Spatiotemporal input control: leveraging temporal variation in network dynamics. *Sci China Inf Sci*, under review.
2. Yihan Lin, Wei Ding, Shaohua Qiang, et al. ES-ImageNet: The Largest Event-Stream Classification Dataset for Spike Neural Networks. *ICCV*, under review.
3. Zhenzhi Wu, Hwei Zhang, Yihan, Lin. et al. LIAF-Net: Leaky Integrate and Analog Fire Network for Lightweight and Efficient Spatiotemporal Information Processing. *ArXiv*, abs/2011.06176. TNNLS, under review.

Work Experience

- 7/2018~ Research Assistant of CBICR in THU.
- 9/2020~2/2021 Teaching Assistant for the class *Computer principle and Application*.

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7/2019~9/2019 Research Assistant of IoF laboratory in NTU.

Extracurricular Activities

- 9/2019~6/2020 Chairman of Student Association for science and technology of DPI, Tsinghua University
- Organized the 1st Tsinghua University mechanical and electrical design competition.
 - Participated in organizing student science exhibition of Tsinghua University.
- 9/2016~6/2020 Student Volunteer in Tsinghua University
- Letter exchange activities with middle school students in poor areas.
 - Tsinghua University "love alma mater" volunteer lecture.
 - 'Pilot' volunteer service group.
- 9/2018~6/2019 Vice Chairman of Student Association for science and technology of DPI, Tsinghua University.
- 1/2018~2/2018 Team leader of research team of 'coal to gas' in Wangdu, Hebei Province, P. R. China (One team of study and research groups of the Communist Youth League Committee of Tsinghua University).
- 9/2017~6/2018 Director of the office of Fujian Cultural Exchange Association of Tsinghua University.
- 1/2018~2/2018 Team leader of research team of targeted poverty alleviation in Ninghua, Fujian Province, P. R, China.

Honors & Awards

- 6/2020 Scholarship for future scholars
- 6/2020 Outstanding graduates of Beijing
- 6/2020 Outstanding graduates of Tsinghua University
- 6/2020 Outstanding contribution award for graduates of Department of Precision Instrument, Tsinghua
- 10/2019 Award for Excellent Social work
- 10/2019 XCMG scholarship (one of Top scholarship in THU)
- 10/2019 Comprehensive Excellence Award

12/2018	Second prize of HuaLuoGeng cup mathematical modeling contest of Tsinghua University
10/2018	Science and Technology Innovation Excellence Award
10/2018	National scholarship
07/2018	Second prize of the 34th national optoelectronic Design Competition
10/2017	Social practice Excellence Award
10/2017	Volunteer public welfare Excellence Award
10/2017	Comprehensive Excellence Award

Certificates and Skills

Language	English (CET6)
Computer	Python (For data science) Java, C++ (For software engineering)