

# Lingyun Yang (杨凌云)

Updated December 17, 2022

**Email:** [lyangbk@cse.ust.hk](mailto:lyangbk@cse.ust.hk)

**GitHub:** [mental2008](https://github.com/mental2008)

**LinkedIn:** [lingyun-yang-b2881b18a](https://www.linkedin.com/in/lingyun-yang-b2881b18a)

**Phone:** (+852) 9719-0933

**Office:** CYT 3007, HKUST

**Web:** <https://www.cse.ust.hk/~lyangbk/>

Personal profile	Ph.D. Candidate Department of Computer Science and Engineering Hong Kong University of Science and Technology Clear Water Bay, Kowloon, Hong Kong
Research interests	Resource Management for Large-Scale GPU Clusters
Education	<b>Hong Kong University of Science and Technology (HKUST)</b> <i>Department of Computer Science and Engineering</i> Ph.D. in Computer Science and Engineering 2020 – Present ◊ Advisor: <a href="#">Prof. Wei Wang</a>  <b>South China University of Technology (SCUT)</b> <i>School of Computer Science and Engineering</i> B.Eng. in Computer Science and Technology 2016 – 2020 ◊ Studied at All-English Innovation Class (GPA: 3.82/4)
Professional experience	<b>Alibaba Group</b> Hangzhou, China <i>Research Intern, Cluster Management Group</i> Dec. 2020 - Present ◊ Mentors: <a href="#">Jian He</a> and <a href="#">Dr. Yinghao Yu</a> ◊ Co-developed Morphling, an open-source auto-configuration framework for machine learning model serving on Kubernetes, with intelligent algorithms to quickly find the optimal configuration. [ <a href="#">paper</a> ][ <a href="#">code</a> ]  <b>Microsoft Research Asia (MSRA)</b> Beijing, China <i>Research Intern, Innovation Engineering Group (IEG)</i> Jul. 2019 - Jun. 2020
Publications	◊ Yongkang Zhang, Yinghao Yu, Wei Wang, Qiukai Chen, Jie Wu, Zuowei Zhang, Jiang Zhong, Tianchen Ding, Qizhen Weng, <b>Lingyun Yang</b> , Cheng Wang, Jian He, Guodong Yang, and Liping Zhang, “Workload Management in Alibaba Clusters: The Good, the Bad, and the Ugly,” in the <i>Proceedings of ACM Symposium on Cloud Computing (SoCC ’22)</i> , San Francisco, CA, November 2022.

◊ Luping Wang\*, **Lingyun Yang\***, Yinghao Yu, Wei Wang, Bo Li, Xianchao Sun, Jian He, and Liping Zhang, “Morphling: Fast, Near-Optimal Auto-Configuration for Cloud-Native Model Serving,” in the *Proceedings of ACM Symposium on Cloud Computing (SoCC ’21)*, Seattle, WA, November 2021. (\*Co-first authors in alphabetical order)

Honors and scholarships	◊ Postgraduate Scholarship	2020 - Present, HKUST
	◊ Star of Tomorrow Internship Award of Excellence	Jul. 2020, MSRA
	◊ Merit Student & Excellent Student Cadre	Nov. 2019, SCUT
	◊ National Scholarship	Oct. 2019, China
	◊ Silver Medal, 2019 ICPC China Xi'an National Invitational Programming Contest	May 2019
	◊ First Prize, 17th Guangdong Collegiate Programming Contest	May 2019
	◊ Silver Medal, 2019 Sanqi Mutual Entertainment Cup Programming Contest	Apr. 2019
	◊ Gold Medal, 2019 South China University of Technology ACM Programming Contest	Apr. 2019
	◊ Bronze Medal, 2018 ACM-ICPC Asia Xuzhou Regional Contest	Oct. 2018
	◊ Silver Medal, 1st Xiao Mi Collegiate Programming Contest	Sept. 2018
	◊ Gold Medal, 2018 South China University of Technology ACM Programming Contest	Apr. 2018
	◊ The First Prize Scholarship	Nov. 2017, SCUT
	◊ Bronze Medal, 2017 ACM-ICPC Asia Xian Regional Contest	Oct. 2017
	◊ Gold Medal, 12th China Youth Robot Competition	Jul. 2012
	◊ Champion, 2012 RoboCup Youth Robot World Cup China Division Selection Competition	Mar. 2012

Teaching activities	<b>Hong Kong University of Science and Technology</b>	Clear Water Bay, Kowloon, Hong Kong
	<i>Teaching Assistant, Department of Computer Science and Engineering</i>	
	◊ CSIT6000O: Advanced Cloud Computing	Spring 2022
	◊ COMP4651: Cloud Computing and Big Data Systems	Fall 2021
	◊ COMP4651: Cloud Computing and Big Data Systems	Spring 2021

Other experience	<b>ACM-ICPC Competition Group</b>	
	<i>Group Member &amp; Team Leader</i>	2016 - 2019
	◊ Coach: <u>Prof. Chuhua Xian</u>	
	◊ Major domains: Dynamic Programming, Number Theory, Data Structure, etc.	
	<b>Machine Learning &amp; Cybernetics Research Group</b>	
	<i>Undergraduate Research Assistant</i>	2017 - 2019
	◊ Advisor: <u>Prof. Patrick Chan</u>	
	◊ Completed research projects: Fundus Stitching, Tableware Recognition and NN Visualization.	
	<b>Tencent Innovation Club</b>	

	<i>Vice Chairman</i> ◇ Led the largest student club at the School of Computer Science and Engineering in SCUT, sponsored by Tencent Technology (Shenzhen) CO., LTD. <b>ByteDance Summer Camp</b> <b>ICMLC &amp; ICWAPR</b> <i>Student helper</i>	2018 - 2019   Beijing, China Chengdu, China Jul. 2018
Skills	Programming Languages: Golang, C++, Python Toolkits: Git, L <sup>A</sup> T <sub>E</sub> X, Linux Shell, Qt, MySQL, Markdown Languages: English (fluent), Mandarin (Native speaker)	
Miscellaneous	Read various kinds of books, watch movies, play basketball & badminton, workout at the gym, food lover. In my spare time, I also write some blogs about interesting stuffs aperiodically. Here is my personal blog (in Chinese): <a href="https://blog.yanglingyun.me/">https://blog.yanglingyun.me/</a> .	