

# Lingyun Yang (杨凌云)

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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, ML for Systems
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 [C1], an open-source auto-configuration framework for machine learning model serving on Kubernetes, with intelligent algorithms to quickly find the optimal configuration. [ <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	[C2] 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.

[C1] 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, ICPC China Xian National Invitational Programming Contest	May 2019
	◇ First Prize, 17th Guangdong Collegiate Programming Contest	May 2019
	◇ Silver Medal, 37Games Cup Programming Contest	Apr. 2019
	◇ Gold Medal, SCUT ACM Programming Contest	Apr. 2019
	◇ Bronze Medal, ACM-ICPC Asia Xuzhou Regional Contest	Oct. 2018
	◇ Silver Medal, 1st Xiao Mi Collegiate Programming Contest	Sept. 2018
	◇ Gold Medal, SCUT ACM Programming Contest	Apr. 2018
	◇ The First Prize Scholarship	Nov. 2017, SCUT
	◇ Bronze Medal, ACM-ICPC Asia Xian Regional Contest	Oct. 2017
	◇ Gold Medal, 12th China Youth Robot Competition	Jul. 2012
	◇ Champion, RoboCup Youth Robot World Cup, China Division	Mar. 2012
ACADEMIC SERVICES	<b>Artifact Evaluation Committee</b>	
	◇ MLSys (2023)	
	<b>External Reviewer</b>	
	◇ INFOCOM (2022, 2023), ICDCS (2023), APSys (2021), MSN (2021), Qshine (2020)	
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, Spring 2023)	
	◇ COMP4651: Cloud Computing and Big Data Systems (Spring 2021, Fall 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>	
	◇ Projects: Fundus Stitching, Tableware Recognition, and NN Visualization.	
	<b>Tencent Innovation Club</b>	
	<i>Vice Chairman</i>	2018 – 2019

◊ Led the largest student club in SCUT CSE, sponsored by Tencent.

**ByteDance Summer Camp**

Beijing, China

*Camper*, Algorithm track

Aug. 2019

◊ Mentor: Dr. Yibo Zhu

◊ Totally 150 participants selected from more than 6k candidates.

**ICMLC & ICWAPR**

Chengdu, China

*Student helper*

Jul. 2018

SKILLS

Programming Languages: Golang, C++, Python

Toolkits: Kubernetes, Git,  $\text{\LaTeX}$ , Linux Shell, Qt, MySQL, Markdown

Languages: English (fluent), Mandarin (Native speaker)

MISCELLANEOUS

Play basketball & badminton, workout at the gym, food lover.