

Lingyun Yang

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Personal profile

Ph.D. Student

Department of Computer Science and Engineering
Hong Kong University of Science and Technology
Clear Water Bay, Kowloon, Hong Kong

Research interests

Machine learning for systems, cloud computing, resource management for large-scale clusters

Education

Hong Kong University of Science and Technology (HKUST)

Department of Computer Science and Engineering

Ph.D. in Computer Science and Engineering

2020 – Present

◊ Advisor: Prof. Wei Wang

South China University of Technology (SCUT)

School of Computer Science and Engineering

B.Eng. in Computer Science and Technology

2016 – 2020

◊ Studied at All-English Innovation Class (*GPA: 3.82/4*)

Professional experience

Alibaba Group

Hangzhou, China

Research Intern, Cloud Native Group

Dec. 2020 - Present

◊ Mentor: Jian He

Hong Kong University of Science and Technology

Clear Water Bay,

Kowloon, Hong Kong

Research/Teaching Assistant, System Algorithm Group

Sept. 2020 - Present

Microsoft Research Asia

Beijing, China

Research Intern, Innovation Engineering Group

Jul. 2019 - Jun. 2020

◊ Mentors: Lewei Lu and Chong Li

◊ Applied multiple latest attention mechanisms to face recognition models, integrated with knowledge distillation, built in CNTK.

◊ Built a neural architecture search pipeline for face recognition tasks.

◊ Designed a symmetric padding pooling layer with self-attention which can be easily integrated into any model structure, achieve the state-of-the-art performance and improve the robustness to various perturbations.

Honors and

◊ Merit Student & Excellent Student Cadre

Nov. 2019

scholarships	◇ National Scholarship	Oct. 2019
	◇ 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
	◇ 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	Hong Kong University of Science and Technology Clear Water Bay, Kowloon, Hong Kong	
	<i>Teaching Assistant, Department of Computer Science and Engineering</i>	
	◇ COMP 4651: Cloud Computing and Big Data Systems	Spring 2021
Other experience	ACM-ICPC Competition Group	
	<i>Group Member & Team Leader</i>	2016 - 2019
	◇ Coach: Prof. Chuhua Xian	
	◇ Major domains: Dynamic Programming, Number Theory, Data Structure, etc.	
	Machine Learning & Cybernetics Research Group	
	<i>Undergraduate Research Assistant</i>	2017 - 2019
	◇ Advisor: Prof. Patrick Chan	
	◇ Completed research projects: Fundus Stitching, Tableware Recognition and NN Visualization.	
	Tencent Innovation Club	
	<i>Vice Chairman</i>	2018 - 2019
	◇ Led the largest student club at the School of Computer Science and Engineering in SCUT, sponsored by Tencent Technology (Shenzhen) CO., LTD.	
	ByteDance Summer Camp	Beijing, China
	<i>Camper, Algorithm track</i>	Aug. 2019
	◇ Totally 150 participants selected from more than 6k candidates.	
	◇ Trained a large scale BERT Model by using Pipeline and Model Parallelism.	
	International Conference on Machine Learning and Cybernetics & International Conference on Wavelet Analysis and Pattern Recognition	Chengdu, China
	<i>Student helper</i>	Jul. 2018

Skills	Programming Languages: C++, Python, Golang Toolkits: Git, \LaTeX , Linux Shell, Qt, MySQL, Markdown Languages: English (fluent), Mandarin (Native speaker)
Other interests	Read various kinds of books, play basketball, 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): https://mental2008.github.io/ .