

# Hanmin Li

## ABOUT ME

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PLACE AND DATE OF BIRTH: Anhui, China | 31 July 1999  
ADDRESS: Exploration Avenue, KAUST, 23955, Thuwal, Saudi Arabia  
EMAIL: hanmin.li AT kaust.edu.sa

## EDUCATION

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PRESENT Ph.D. student in COMPUTER SCIENCE  
**King Abdullah University of Science and Technology**, Thuwal, Saudi Arabia  
Supervisor: [Prof. Peter Richtárik](#)

DECEMBER 2022 Master of Engineering in COMPUTER SCIENCE  
**King Abdullah University of Science and Technology**, Thuwal, Saudi Arabia  
Major: Computer Science  
Department: Computer, Electrical and Mathematical Sciences and Engineering  
GPA: 3.86/4.00

JULY 2021 Bachelor of Engineering in COMPUTER SCIENCE AND TECHNOLOGY  
**University of Science and Technology of China (USTC)**, Hefei, Anhui, China  
Major: Computer Science and Technology  
Department: School of Gifted Young  
GPA: 3.64/4.30

AUGUST 2018 Summer School Student  
**University of Texas at Austin**, Austin, Texas  
Major: Software Engineering

## PUBLICATIONS

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PREPRINT “Det-CGD: Compressed Gradient Descent with Matrix Stepsizes for Non-Convex Optimization.” **Hanmin Li**, Avetik Karagulyan, and Peter Richtárik.  
[arXiv preprint arXiv:2305.12568](#) MAY, 2023.

JOURNAL “SD<sup>2</sup>: spatially resolved transcriptomics deconvolution through integration of dropout and spatial information.” Haoyang Li, **Hanmin Li**, Juexiao Zhou, Xin Gao.  
[Bioinformatics](#), 38(21), pp.4878-4884. SEPTEMBER, 2022.

## WORK EXPERIENCE

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JAN 2021 - JUNE 2021	Research Intern at QULAB/USTC Supervised by <a href="#">Prof. Kun Qu</a>
SEPT 2019 - MARCH 2019	Research Intern at USTC Supervised by <a href="#">Prof. Yongkun Li</a>

## SCHOLARSHIPS AND CERTIFICATES

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SEPT. 2023	Marked as "outstanding" in the Ph.D. student yearly evaluation by my advisor Prof. Peter Richtárik. KAUST
SEPT. 2019	Scholarship for outstanding students (top % 20 students) School of Gifted Young, USTC
SEPT. 2018	Scholarship for outstanding students (top % 20 students) School of Gifted Young, USTC
SEPT. 2017	Scholarship for Shitsan Pai class of talented students, (top % 10 students) <b>University of Science and Technology of China</b>
SEPTEMBER 2019	TOEFL®: 110 (READING:30; LISTENING:30; SPEAKING:23; WRITING:27)
FEBRUARY 2018	GRE®: 333 (VERBAL:163; QUANTITATIVE:170; AW:3,5)

## LANGUAGES

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CHINESE: Mothertongue  
ENGLISH: Fluent

## COMPUTER SKILLS

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Proficient C++, Python, PyTorch, R, Linux.  
Intermediate Java, Verilog, Javascript, Vue