

Hanmin Li

ABOUT ME

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

- 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

- PREPRINT “MARINA Meets Matrix Stepsizes: Variance Reduced Distributed Non-convex Optimization” **Hanmin Li**, Avetik Karagulyan, and Peter Richtárik.
[arXiv preprint arXiv:2310.04614](#) OCT, 2023.
- 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 “SD²: 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.

REVIEW SERVICES

IEEE TRANSACTIONS ON SIGNAL PROCESSING | 1

WORK EXPERIENCE

- JAN 2021 - JUNE 2021 | Research Intern at QULAB/USTC
Supervised by [Prof. Kun Qu](#)
- SEPT 2019 - MARCH 2019 | Research Intern at USTC
Supervised by [Prof. Yongkun Li](#)

SCHOLARSHIPS AND CERTIFICATES

- 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)
University of Science and Technology of China
- SEPTEMBER 2019 TOEFL®: 110 (READING:30; LISTENING:30; SPEAKING:23; WRITING:27)
- FEBRUARY 2018 GRE®: 333 (VERBAL:163; QUANTITATIVE:170; AW:3,5)

LANGUAGES

CHINESE: Mothertongue
ENGLISH: Fluent

COMPUTER SKILLS

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