



Introduction: Dr. Quanming Yao is currently a tenure-track assistant professor, special researcher and doctoral supervisor at Department of Electronic Engineering, Tsinghua University. He obtained his Ph.D. degree at the Department of Computer Science and Engineering of Hong Kong University of Science and Technology (HKUST). After that, he spent three years from a researcher to a senior scientist in 4Paradigm INC, where he set up and led the company's machine learning research team. He has published 70+ top conference and journal papers, with more than 6800 citations and h-index 31. He regularly serves as area chairs for ICML, NeurIPS, ICLR and ACML. He is also a receipt of Google Fellowship (2016), Young Scientist Awards (Hong Kong Institution of Science, 2020), Forbes 30 Under 30 (China, 2020), Global Chinese Top-50 Young Scholars in Artificial Intelligence (2022), and INNS Aharon Katzir Young Investigator Award (2023).

Home page: <https://lars-group.github.io>

Research Direction: centered around **automated and interpretable methods for structured data learning**, including but not limited to:

- Automated machine learning
- Few-shot and meta-learning
- Neural architecture search
- Graph neural networks
- Knowledge graph learning
- Applications related to AI for Science.

Admissions Information:

- Full-time Ph.D. Program
  - Duration: 4-5 years
  - Quota: 1 domestic Ph.D. position per year, 1 international student position per year
- Full-time Master's Program
  - Duration: 2 years
  - Quota:
    - 1 Master's position in Engineering per year
    - 1 Tsinghua-JHU Dual Master's position in Biomedical Engineering per year (For specific details, refer to the links)
      - <https://www.bme.jhu.edu/academics/graduate/masters-programs/tsinghua-jhu-bme-dual-degree-program/>
      - <https://www.ee.tsinghua.edu.cn/en/info/1023/1012.htm>
    - 1 international student position per year

Recruitment Information (No fixed quotas, employment through a contract with Tsinghua University):

- Postdoctoral Researchers (For specific details, refer to the link)
  - <https://www.ee.tsinghua.edu.cn/rczp/bshzp.htm>
- Research Engineers
  - Positions available throughout the year
- Research Assistants



- Positions available throughout the year

#### Application Method:

- Interested applicants are required to submit their resumes (including educational background, list of publications, internship experience, etc.), transcripts (for undergraduate applicants), and representative papers or projects to the email address [gyaoaa@mail.tsinghua.edu.cn](mailto:gyaoaa@mail.tsinghua.edu.cn).
- If the initial screening of resumes is successful, applicants will be scheduled for an interview. The interview should include a prepared PPT covering the following:
  - Personal background and motivation for the application
  - Detailed analysis of 1-2 research experiences/achievements, showcasing logical thinking and innovation
  - Discussion of personal strengths and weaknesses, along with plans and ideas for study and work
  - **Preparation related to the research group background**, with the total interview duration being 1 hour and the PPT presentation lasting approximately 30 minutes.

#### Frequently Asked Questions:

1. I have already completed my undergraduate/master's degree and am interested in applying for a doctoral or master's program within this group. (for international student)
  - a) Applicants for the Master's degree program should hold a degree equivalent to a Chinese Bachelor's degree; applicants for the Doctoral degree program should hold a degree equivalent to a Chinese Master's degree. Degree certificates obtained from overseas universities must be certified by the China Education Ministry's Study Abroad Service Center, in principle.
  - b) Applicants need to successfully pass both the departmental interview and the interview conducted by this research group in order to join as a student.
  - c) For more details, refer to the links <https://yz.tsinghua.edu.cn/info/1015/2057.htm>
2. I am interested in applying to other top-tier universities. Can research engineers and research assistants participate in academic research?
  - a) Yes, the main responsibility of research engineers and research assistants in our group is to conduct academic research, and they will receive ample academic guidance from the group.
  - b) Previous members of this group have had successful experiences applying to renowned overseas universities, such as EPFL, UCLA, Maryland, HKUST, NTU, among others.
  - c) The aforementioned positions do not require passing the departmental interview; passing the interview conducted by the research group is sufficient.