Jinhan Li

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EDUCATION

- **B.Eng., Tsinghua University** *Aug 2021-Present*
  Yao Class, Institute for Interdisciplinary Information Sciences GPA: 3.82/4.00
- **High School Affiliated to Renmin University of China (RDFZ)** *Sep 2015-Jul 2021*
  Class for math and physics

ACHIEVEMENTS

- **Competitive Programming**
  - Silver medal in National Olympiad in Informatics (NOI) in 2020.
  - First prize in Certified Software Professional Senior (CSP-S) in 2019, and in National Olympiad in Informatics in Provinces (NOIP) in 2017 and 2018.
  - Top 400 in 2019 Astar Programming Contest (Everyone in China can participate), hosted by Baidu.

- **Selected Miscellaneous Honors**
  - Honor for Volunteering, Tsinghua University.
  - Backbone and Pacer of Tsinghua Student Runners Association (over 400 members).
  - 10th place (3'05) in student 800-meter race in the 2022 Tsinghua University Sports Meet.

RESEARCH EXPERIENCE

- **Quadrupedal Robots** *July 2023 - Present*
  - I worked on a project about quadrupedal robots together with a Ph.D. student, advised by prof. Yi Wu. We trained the quadrupedal robot to stand up and perform agile bipedal "dancing" motions such as ballet via Reinforcement Learning. The robot can track the human motions from a video, or follow commands given by LLM based on natural language instructions.
  - Second-author paper *Learning Agile Bipedal Motions on a Quadrupedal Robot* was just submitted to ICRA 2024.

- **Intersection of Natural Language Processing and Music** *Sep 2023 - Present*
  - I collaborate with my classmate Zhuorui Ye on an interdisciplinary project "Musical Translation" for the course AI+X, advised by AI researchers Zhilin Yang, Chuang Gan, and professional musical translator He Cheng.
  - We aim to finish this project by the end of the year and submit our results to ACL 2024.

PROJECTS

- **Tsinghua University, Global Challenge Exchange** **Seattle, USA**
  Member of the Research Group Jul 2019 – Aug 2019
  - Participated in the summer camp for 10 days, designed a safety stick for the elders that can automatically detect accidental fall and made a prototype with my team mates. I self-learned basic machine learning and wrote the corresponding codes, and got "Outstanding Participant".

- **Imperial Enterprise Lab - Global Challenge Lab 22 (Climate Action)** **Online**
  Team leader, Researcher Jul 2022
  - Formed an International team with students from China, Canada, and Ghana, and gave our innovative solution for the "Agriculture and Land Sustainability" track. We proposed to transform abandoned houses in North America into shared greenhouses for individual farming, designed a platform for this idea, and submitted our video pitch.

- **Coronaview Survey** **Online**
  Co-founder, China Lead Jul 2022 – Aug 2022
  - Formed a team with peers from China, USA, and Japan, and designed and gathered more than 400 questionnaires about the views of CoronaVirus policy from people across the globe; interviewed people from different classes to explore the social effects of COVID-19. Our results and insights were posted on our website.

TECHNICAL SKILLS AND INTERESTS

Languages: Familiar with C, C++, Python.
Areas of Interest: Robotics, AI for social good.

OTHERS

- **English:** Toefl 112 (Reading 30, Listening 30, Speaking 24, Writing 28)
- **Hobbies:** running, traveling, playing with music (singing, appreciating classical music, etc.)