

Tianqin Li

tianqinl@cs.cmu.edu | (626) - 491 - 8952 | [Home Page](#) | [Google Scholar](#) | [LinkedIn](#)

Doctoral Student, Computer Science Department, School of Computer Science, Carnegie Mellon University

EDUCATION

- **Carnegie Mellon University, School of Computer Science, PA** Aug 2022 – Present
Ph.D. Program in Computer Science
- **Carnegie Mellon University, School of Computer Science, PA** Aug 2019 – May 2021
Master of Science in Computational Biology
Graduate with Research Excellence
- **Sun Yat-sen University, China** Aug 2015 – June 2019
Bachelor of Science in Biotechnology
National Elite Class for Application Science and Technology
- **University of California, Berkeley, CA** Jan 2018 – Aug 2018
Non-degree session for Statistic & Computer Science

RELEVANT COURSEWORK

Mobile Computing, Deep Learning System, Deep Learning, Machine Learning, Computer System, Discrete Differential Geometry, Distributed & Operating System, Algorithm & Advanced Data Structure, Probabilistic Graphic Models, High Dimensional Statistics, Linear Algebra, Neural Computation, Deep Reinforcement Learning & Control

SELECTED PUBLICATION

Tianqin Li*, Zhengyang Ge*, Alex Gaudio, Asim Smailagic. “Mobile Heart Sound Pathology Detection”. Course project in submission to a medical journal.

* denotes equal contributions (alphabetical order).

<https://www.cs.cmu.edu/~15-821/assets/POSTERS/2023-project-09-poster-tianqinl-zgeng2.pdf>

Tianqin Li*, Junru Zhao*, Tai Sing Lee. “Incorporating Human Shape Bias for Accelerated Self-supervised Learning”. In submission, 2024.

* denotes equal contributions (alphabetical order).

Tianqin Li, Ziqi Wen, Yangfan Li, Tai Sing Lee. “Emergence of Shape Bias in Convolutional Neural Networks through Activation Sparsity”. **NeurIPS 2023 (Oral)**.

Tianqin Li*, Zijie Li*, Andrew Luo, Harold Rockwell, Amir Barati Farimani, Tai Sing Lee. “Prototype memory and attention mechanisms for few-shot image generation”. **ICLR 2022**.

* denotes equal contributions (alphabetical order).

Tianqin Li*, Yao-Hung Hubert Tsai*, Martin Q. Ma, Han Zhao, Kun Zhang, Louis-Philippe Morency, Ruslan Salakhutdinov. “Conditional Contrastive Learning with Kernel”. **ICLR 2022**.

* denotes equal contributions (alphabetical order).

Tianqin Li*, Yao-Hung Hubert Tsai*, Weixin Liu, Peiyuan Liao, Ruslan Salakhutdinov, Louis-Philippe Morency. “Learning Weakly-supervised Contrastive Representations”. **ICLR 2022**.

* denotes equal contributions (alphabetical order).

Zijie Li, **Tianqin Li**, Amir Barati Farimani. “TPU-GAN: Learning temporal coherence from dynamic point cloud sequence”. **ICLR 2022**.

Andrew Luo, **Tianqin Li**, Wen-Hao Zhang, Tai Sing Lee. “SurfGen: Adversarial 3D Shape Synthesis with Explicit Surface Discriminators”. **ICCV 2021**.

AWARD

- Best Software Project (Team Leader of 20), 16th International Genetic Engineering Machine Competition.
- NeurIPS 2023 Oral. NeurIPS 2023 Scholar Award.