

# JIAQI ZHANG

(+1)401-678-9484 ◊ jiaqi\_zhang2@brown.edu

## EDUCATION

---

**Southeast University, China**  
Bachelor of Software Engineering

*Sep. 2015 - Jun. 2020*  
GPA: **3.56**/4.00

**Brown University, United States**  
Doctoral of Computer Science

*Sep. 2021 - Present*

## RESEARCH INTEREST

---

**Machine Learning:** large-scale optimization, probabilistic graphical model

**Bioinformatics:** model interpretation, single-cell data analysis

## RESEARCH EXPERIENCE

---

- [1] Beilun Wang, **Jiaqi Zhang**, Haoqing Xu, and Te Tao. Fast and scalable learning of sparse changes in high-dimensional graphical model structure. *Neurocomputing*, 2022.
- [2] Qianli Yang, Zhongqiao Lin, Wenyi Zhang, Jianshu Li, Xiyuan Chen, **Jiaqi Zhang**, and Tianming Yang. Monkey plays Pac-Man with compositional strategies and hierarchical decision-making. *Elife*, 2022.
- [3] Beilun Wang, **Jiaqi Zhang**, Yan Zhang, Meng Wang, and Sen Wang. Scalable Estimator for Multi-task Gaussian Graphical Models Based in an IoT Network. *ACM Transactions on Sensor Networks*, 17(3), June 2021.
- [4] (\*Selected Abstract\*) Qianli Yang, **Jiaqi Zhang**, Jianshu Li, Wenyi Zhang, Ce Ma, and Tianming Yang. Monkey can play Pac-Man with dynamical hybrid strategy. *Computational and Systems Neuroscience (Cosyne)*, 2021.
- [5] **Jiaqi Zhang**, Meng Wang, Qinchu Li, Sen Wang, Xiaojun Chang, and Beilun Wang. Quadratic Sparse Gaussian Graphical Model Estimation Method for Massive Variables. *International Joint Conferences on Artificial Intelligence Organization (IJCAI)*, 2020.

## PROJECT EXPERIENCE

---

**A Distributed Repaying Loan Ability Evaluating System Based on Gradient Boosting Machine** 2018

- ◊ Responsible for software architecture and backend modules implementation.
- ◊ Project for a seminar course; the third prize.

**An Employee Management System** 2017

- ◊ Responsible for software architecture and core modules implementation.
- ◊ Project for a seminar course; the third prize.