

## Tongzheng REN

Gates Dell Complex, 4.802A, 2317 Speedway, Austin TX, **78712**

(+1) 512-649-6841 rtz19970824@gmail.com

### EDUCATION

---

<b>The University of Texas at Austin (UT Austin)</b>	<b>Austin</b>
<i>PhD in Computer Science</i>	Jul 2019 - Current
<b>Tsinghua University (THU)</b>	<b>Beijing</b>
<i>Visiting Student in Tsinghua Statistical Artificial Intelligence &amp; Learning Group</i>	Aug 2018 - Jun 2019
<b>School of Science, Tsinghua University (THU)</b>	<b>Beijing</b>
<i>B.S. in Fundamental Science &amp; BS in Mathematics and Applied Mathematics</i>	Aug 2014 - Jul 2018

### Publications

---

#### Preprint

- [2] Chengyue Gong\*, **Tongzheng Ren\***, Mao Ye, Qiang Liu. *MaxUp: A Simple Way to Improve Generalization of Neural Network Training*. arXiv preprint arXiv:2002.09024. (\* Equal contribution)
- [1] Haosheng Zou\*, **Tongzheng Ren\***, Dong Yan, Hang Su, Jun Zhu. *Reward shaping via meta-learning*. arXiv preprint arXiv:1901.09330. (\* Equal contribution)

#### Peer Reviewed Conference

- [8] Mao Ye\*, **Tongzheng Ren\***, Qiang Liu. *Stein Self-Repulsive Dynamics: Benefits from Past Samples*. Neural Information Processing Systems (NeurIPS) 2020. (\* Equal Contribution)
- [7] Xiaoxia Wu\*, Edgar Dobriban\*, **Tongzheng Ren\***, Shanshan Wu\*, Zhiyuan Li, Suriya Gunasekar, Rachel Ward, Qiang Liu, *Implicit Regularization and Convergence for Weight Normalization*. Neural Information Processing Systems (NeurIPS) 2020. (\* Equal Contribution)
- [6] Yihao Feng\*, **Tongzheng Ren\***, Ziyang Tang and Qiang Liu. *Accountable Off-Policy Evaluation via a Kernelized Bellman Statistics*. International Conference on Machine Learning (ICML) 2020. (\* Equal Contribution)
- [5] Jialian Li, Yichi Zhou, **Tongzheng Ren**, and Jun Zhu. *Exploration Analysis in Finite-Horizon Turn-based Stochastic Games*. Conference on Uncertainty in Artificial Intelligence (UAI) 2020.
- [4] Yichi Zhou, **Tongzheng Ren**, Jialian Li, Dong Yan and Jun Zhu. *Lazy-CFR: a fast regret minimization algorithm for extensive games with imperfect information*. International Conference on Learning Representations (ICLR) 2020.
- [3] Jialian Li, **Tongzheng Ren**, Hang Su, Jun Zhu. *Learn a Robust Policy in Adversarial Games via Playing with an Expert Opponent*. International Conference on Autonomous Agents and Multi Agent Systems (AAMAS) 2019. (Extended Abstract)
- [2] Ziyu Wang, **Tongzheng Ren**, Jun Zhu and Bo Zhang. *Function Space Particle Optimization for Bayesian Neural Networks*. International Conference on Learning Representations (ICLR) 2019.
- [1] Danyang Sun\*, **Tongzheng Ren\***, Chongxuan Li, Hang Su and Jun Zhu. *Learning to write stylized Chinese Characters by Reading a Handful of Examples*. International Joint Conferences on Artificial Intelligence (IJCAI) 2018. (\* Equal contribution)

### RESEARCH EXPERIENCE

---

<b>Graduate Research Assistant</b>	<b>Austin</b>
<i>The University of Texas at Austin (UT Austin)</i>	Jul 2019 - Current
Research Interest: Optimization, Statistics, Online Learning	

Advisor: Prof. Sujay Sanghavi

<b>Research Intern</b>	<b>Beijing</b>
<i>Tsinghua Statistical Artificial Intelligence &amp; Learning Group (TSAIL)</i>	Jun 2017 - Jun 2019
	Advisor: Prof. Jun Zhu & Prof. Hang Su

## **Professional Activities**

---

**Conference Review:** NeurIPS, ICLR, AAAI, AISTATS

**Journal Review:** JMLR, TNNLS

## **SKILL AND OTHERS**

---

**Language:** English (fluent), Chinese (native).

**Computer Skills:** C, C++, Python, MATLAB, SQL, R.

**Deep Learning Framework:** Theano, Tensorflow, PyTorch.