MENGJIAO YANG

Software Engineer, Google Brain

✉ *sherryy@google.com*
🌐 *sherryy.github.io*
🯁 *sherryy*

━━━━ Education

2017-2018	**M.Eng. in Computer Science**, MIT, Computer Science and Artificial Intelligence Laboratory (CSAIL)	🎓Julian Shun.
2014-2017	**B.S. in Computer Science**, MIT, **Graduate level courses**: Machine Learning, Signals and Inference, Operating Systems, Distributed Systems, Database Systems, Computer Security, Performance Engineering	🎓Patrick Winston.

━━━━ Publications

NeurIPS20   **Mengjiao Yang***, Ofir Nachum*, Bo Dai*, Lihong Li, Dale Schuurmans: *Off-Policy Evaluation via the Regularized Lagrangian.* Conference on Neural Information Processing Systems (NeurIPS), 2020.

ICML20   **Mengjiao Yang***, Bo Dai*, Hanjun Dai, Dale Schuurmans: *Energy-Based Processes for Exchangeable Data.* The International Conference on Machine Learning (ICML), 2020

HCML19   **Mengjiao Yang**, Been Kim: *Benchmarking Attribution Methods with Relative Feature Importance.* **Oral** at NeurIPS workshop on Human-Centric Machine Learning, 2019.

OOPSLA18   Yunming Zhang, **Mengjiao Yang**, Riyadh Baghdadi, Shoaib Kamil, Julian Shun, Saman Amarasinghe: *GraphIt: A High-Performance Graph DSL.* The Object-Oriented Programming, Systems, Languages and Applications (OOPSLA), 2018.

Thesis   **Mengjiao Yang**: Cache and NUMA Optimizations in A Domain-Specific Language for Graph Processing. Master's thesis, Massachusetts Institute of Technology, 2018.

━━━━ Projects & Experiences

2018	**TensorFlow**: Implemented multi-core inference on TPUs. Improved utilization by $\geq$ 2X.
2017	**Android kernel** internship: Designed the Linux memory shrinker in Android kernel remote procedure calls. Enabled lazy memory allocation for fast RPCs. Code accepted to the Linux kernel and Android Open Source Project.
2017	**Five Rings Capital** internship: Built a high-performance interpreter to convert market data from stock exchanges to internal distributed trade messages.
2016	**Google CodeU**: Built a news search engine with crawling and indexing features from scratch. Won People's Choice Award.
2016	**Microsoft Student Partner**: Led Machine Learning courses using Microsoft Azure.
2015	**MakeMIT finalist**: Invented a CPR instruction device carried by people with heart disease.

━━━━ Awards

2017	Grace Hopper Research Scholar Award
2017	MIT EECS Slaughter Undergraduate Research and Innovation Scholar Award
2016, 2017	MIT Jack C. Tang Scholar Award

━━━━ Skills

Programming	C, C++, Python, Java, GoLang, Unix, Emacs
Language	Mandarin Chinese (native), English (fluent)

━━━━ Professional Services

Reviewer	IJCAI21, AAAI21, BayLearn20, SIGKDD20