MENGJIAO YANG

Software Engineer, Google Brain

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sherryy

Education

2017-2018 **M.Eng. in Computer Science**, MIT, Julian Shun.
Computer Science and Artificial Intelligence Laboratory (CSAIL)

2014-2017 **B.S. in Computer Science**, MIT, Patrick Winston.
Graduate level courses: Machine Learning, Signals and Inference, Operating Systems, Distributed Systems, Database Systems, Computer Security, Performance Engineering

Publications

Preprint **Mengjiao Yang***, Bo Dai*, Ofir Nachum*, George Tucker, Dale Schuurmans: *Offline Policy Selection under Uncertainty.* Preprint, 2020.

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.

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