



MENGJIAO YANG

Software Engineer, Google Brain

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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***, Ofir Nachum*, Bo Dai*, Lihong Li, Dale Schuurmans: *Off-Policy Evaluation via the Regularized Lagrangian*. preprint, 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** 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 an 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 technologies.
- 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

- BayLearn20 Reviewer for Bay Area Machine Learning Symposium, 2020.
- KDD20 Reviewer for SIGKDD Conference on Knowledge Discovery and Data Mining, 2020.