Haitang Hu

Web: https://hthu.github.io/

Experience	**Staff Software Engineer,** Google Inc., Mountain View, CA	2016-

- Large Model productionization infrastructures
    - Led large scale online/offline inferences for larger models.
    - Led efforts on automatically improving training performances and hardware utilization.
    - Defined inter-component contract and user-facing APIs.
    - Identified and led development on framework optionality and interoperability between JAX and TensorFlow.
- TensorFlow DTensor
    - Prototyped and defined foundations of next generation of distributed TensorFlow training infrastures, from computation primitives/device replication , to distributed layout propagation, SPMD expansion, distributed checkpoint and large scale inferences.
    - Improved TensorFlow performance of large model/scale training for more than 50%.
- Google Voice Backend, including storage management, micro-services via RPCs, testing and toolings.

Systems Engineer, NS Solutions Co., Ltd., Shanghai   2011-2014
- Designed, structured, implemented and maintained web application using *J2EE* and *MySQL*.
- Conducted complete *ETL* processes into oracle based data warehouse from India, Brazil, Japan and Korea branches.
- Understood, analyzed and optimized business flows for trading companies.
- Led research on web-service to refactor existing applications.

Education	**M.S.**, Johns Hopkins University, Baltimore, MD Computer Science	2014-2016
	B.E., Tongji University, Shanghai Computer Science	2007-2011

Hackathon Wins

3rd Place, Kaiser Permanente and Microsoft Code-a-thon, Washington D.C. 2015
- Mainly developed a minimum viable group therapy application on iOS.
- Utilized Azure interface with iOS Application in merely one day.

Skills

Programming:	Java, Python, C++
Operating System:	Ubuntu, RHEL, OS X, Windows
Database:	Oracle Database (OCP), MySQL, SQL Server
Machine Learning:	Machine Translation, Information Extraction
Language:	English, Chinese, Japanese