Jialin Ding

jialind@mit.edu
jialinding.github.io

EDUCATION	**Massachusetts Institute of Technology**	2018–Present
	PhD, Computer Science	
	Stanford University	2014–2018
	Bachelor of Science with Distinction, Electrical Engineering	
	Minor in Economics	

PUBLICATIONS

SageDB: A Learned Database System. Tim Kraska, Mohammad Alizadeh, Alex Beutel, Ed Chi, Jialin Ding, Ani Kristo, Guillaume Leclerc, Samuel Madden, Hongzi Mao and Vikram Nathan. *CIDR 2019.*

Moment-Based Quantile Sketches for Efficient High Cardinality Aggregation Queries. Edward Gan, Jialin Ding, Kai Sheng Tai, Vatsal Sharan and Peter Bailis. *VLDB 2018.*

Efficient Mergeable Quantile Sketches using Moments. Edward Gan, Jialin Ding, Peter Bailis. *SysML 2018. Extended Abstract.*

MacroBase: Prioritizing Attention in Fast Data. Firas Abuzaid, Peter Bailis, Jialin Ding, Edward Gan, Samuel Madden, Deepak Narayanan, Kexin Rong and Sahaana Suri. *ACM Transactions on Database Systems 2018.*

A Machine-Compiled Database of Genome-Wide Association Studies. Volodymyr Kuleshov, Jialin Ding, Braden Hancock, Alexander Ratner, Christopher Re, Serafim Batzoglou and Michael Snyder. *25th Conference on Intelligent Systems for Molecular Biology (ISMB) 2017. Short Paper.*

INDUSTRY EXPERIENCE

Research Intern, Microsoft Research, Redmond Summer 2018
- Implemented and evaluated an updatable learned index structure for range queries.

Software Engineer Intern, Google Summer 2016
- Worked on Google Safe Browsing.
- Implemented a MapReduce pipeline to integrate Chrome browser incident data into the evalutation of user downloads.

Software Engineer Intern, Thumbtack Summer 2015
- Worked on SEO, automatic text generation, and recommendation systems.

FELLOWSHIPS AND AWARDS
- NSF Graduate Research Fellowship Program, Honorable Mention, 2018
- MIT Jacobs Presidential Fellowship, 2018