Huan He

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⌂ https://github.com/hehuannb

Education

2016-Present	**Ph.D in Computer Science**, *Emory University*.
	Advisor: Dr. Joyce C.Ho
	Research: Machine Learning, Optimization
2014-2016	**M.Sc in Financial Mathematics**, *University of Connecticut*.
	Advisor: Associate Professor Emeritus. James G. Bridgeman
	Main courses: Risk Theory, Stochastic Process, Statistical Computing, Financial Programming
2010–2014	**B.S in Financial Engineering**, *Shanghai Finance University*, Shanghai, P.R.China.
	Main courses: Advanced Mathematics, Options and Futures, Financial Engineering, Time Series Analysis

Publications

Jette Henderson, Huan He, Bradley Malin, Joshua C Denny, Abel N Kho, Joydeep Ghosh, and Joyce C Ho. Phenotyping through Semi-Supervised Tensor Factorization (PSST). *AMIA*, 2018.

Huan He, Jette Henderson, and Joyce C Ho. SGranite: Distributed Tensor Decomposition for Large Scale Health Analytics. *The Web Conference*, 2019.

Work Experience

2019 Spring	**Teaching Assistant for CS 571 Natural Language Processing**, *Emory Univerisy*, Altanta.
2018 Fall	**Teaching Assistant for CS 534 Machine Learning**, *Emory Univerisy*, Altanta.
2017 Fall	**Grader for CS 534 Machine Learning**, *Emory Univerisy*, Altanta.
06/2013-06/2014	**Summer Internship**, *Business Department, Shanghai Branch, China Minsheng Banking Co., Ltd*, Shanghai.
	○ Prepared mortgage loan contract and expatiated contract details, especially in terms of the notarization of mortgage and the necessity of clients' alternative property.
	○ Familiarized myself with the techniques of composing and decomposing the existed financial tools and means
05/2012-09/2012	**Summer Internship**, *Corporate Trust Department, Shanghai Branch, AJ Corporation(AJC)*, Shanghai.
	○ Covered preliminary review of contracts on trust products and coordinated contract reviews
	○ Examined and evaluated risks through preliminary review of contracts

Honors & Achievements

8/2013	The Honor of Outstanding Intern, Shanghai Branch, China Minsheng Banking Co., Ltd
2012	The Honor of "Merit Student", SFU (college-level)(2011-2012)
2012	Second Class Scholarship for Outstanding Student(academic performance ranks top 10 in the department)
2012	Second Prize in Social Activity, SFU (Spring semester)
2011	Second Class Scholarship for Outstanding Student (Fall & Spring semester)

2011   Second Prize in Social Activity, SFU (Fall & Spring semester)

Research Interests

Machine
Learning:
   Provide a data-driven approach for automated discovery using factorization models

Optimization   Build efficient optimization methods to solve machine learning problems

Parallel
Programming:
   Develop distributed algorithms using Apache Spark

Computer skills

Programming
Languages:
   Python, C/C++, Scala

Math/Stat
Languages:
   Matlab, R

Tools: Spark, LaTeX, AWS, Git, Linux