

education

2018-2019	Massachusetts Institute of Technology, Cambridge, MA M.S. in Computer Science and Engineering. GPA 5.0/5.0. Relevant courses: Computer Networks, Database Systems.	Master
2014-2018	Massachusetts Institute of Technology, Cambridge, MA B.S. in Computer Science and Engineering. GPA 5.0/5.0. Relevant courses: Advanced Performance Engineering, Distributed Systems, Operating Systems, Design and Analysis of Algorithms, Advances in Computer Vision, Advanced Natural Language Processing.	Undergraduate

technical skills

Set I	Programming languages 5 Years or More: C++, Python / 3 Years or More: Ruby, Objective-C, Java
Set II	Low-level performance engineering and operating system knowledge
Set III	Data structures and algorithms knowledge and research experience

internships & projects

2019-Present	Hudson River Trading - Core Developer Worked in C++ on distributed computation cluster infrastructure - including job scheduler, data caching layer, and job efficiency monitoring. Worked in Python on the framework for structuring/submitting distributed computation workloads. Worked on optimizing cluster-wide job memory usage and job efficiency.	https://www.hudsonrivertrading.com
2018	Facebook - Software Engineer Intern Created a parser library for the Thrift compiler, and two code linters for the Thrift language. Designed and implemented a plugin system for Thrift that enables custom extensions to the compiler.	https://facebook.com
2017	Instagram @ Facebook - Software Engineer Intern Implemented optimizations that reduced server memory usage per request served by 12% and server CPU usage per request served by 5%, and increased request capacity per server by 10%.	https://instagram.com
2017	EECS Research and Innovation Scholar – MIT SuperUROP Research Program Implemented optimization passes in Rhino – an LLVM-based compiler aiming to better optimize parallel program across languages and parallel frameworks. Reduced runtime for up to 20% in certain benchmarks.	https://superurop.mit.edu
2016	Pure Storage - Software Engineer Intern Optimized write path throughput performance for data being replicated between arrays. Implemented changes that enabled an increased number of replication pairs to be set up on a single array.	https://purestorage.com
2015	Pure Storage - Software Engineer Intern Implemented the bandwidth shaping and batch restoration features for cross-array data replication. Designed and implemented a transaction framework for atomically updating array database.	https://purestorage.com

major honors & awards

2011	28th China National Olympiad in Informatics, Gold Medal Selected into IOI China National Team Training Camp
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leadership

2015-2018	The MIT Tech - Technology Director Led the development of the new website of MIT's oldest and largest campus newspaper. Adapted the publishing production workflow to work with the new content management system.
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