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Jiahao Li

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mandarin/english

education

2014-2018	Massachusetts Institute of Technology, Cambridge, MA Senior, pursuing a B.S. in Computer Science. GPA 5.0/5.0. Recent courses: Advances in Computer Vision, Advanced Natural Language Processing, Advanced Performance Engineering, Distributed Systems, Operating Systems, Design and Analysis of Algorithms.	Undergraduate
2013-2014	Tufts University Preparatory Program, Medford, MA	Pre-college
2011-2014	Wuhan Foreign Languages School, Wuhan, China	High School

skills

Set I	Programming languages (each used for more than 3 years) C++, Ruby, Python, Objective-C, Java
Set II	Web and native app development Ruby on Rails, iOS app development with Swift/Objective-C, PHP
Set III	Data structures and algorithms knowledge and research experience

internships & projects

2017	Instagram @ Facebook - Software Engineer Intern Optimized server memory usage per request served by 12%, server CPU usage per request served by 5%, and increased request capacity per server by 10%. https://instagram.com
2016	Pure Storage - Software Engineer Intern Improved write path throughput performance for data being replicated between arrays. Implemented changes to allow an increased number of replication pairs 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
2015	3D Contour Modeler - Builder, Designer & Coder Built a 3D point tracking system that allows designing 3D models with real life motions. Utilized Intel Edison for hardware control and OpenGL for interface rendering. Won 1st place at MakeMIT final round.
2015	The MIT Tech - Designer & Coder Designed the new website and backend CMS for The Tech – MIT's oldest and largest newspaper. Built in Ruby on Rails with a Varnish + Nginx architecture on Amazon AWS (using EC2, RDS, and S3). https://thetech.com

major honors & awards

2013	American Invitational Mathematics Examination (AIME) worldwide percentile 97%. USAMO qualifier.
2013	American Mathematics Competition (AMC) 12 Distinguished Honor (Worldwide Top 1%).
2011	28th National Olympiad in Informatics, Gold Medal Selected into IOI China National Team Training Camp

leadership

2015-2017	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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