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education

2014-2018 Massachusetts Institute of Technology, Cambridge, MA Undergraduate

Senior, pursuing a B.S. in Computer Science. GPA 5.0/5.0.

Relevant courses: Introduction to Algorithms, Advanced Performance Engineering, Distributed Systems,

Operating Systems.

2013-2014 Tufts University Preparatory Program, Medford, MA Pre-college High School

2011-2014 **Wuhan Foreign Languages School, Wuhan, China**

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, HTML/CSS/JavaScript, AJAX, iOS app and HTML5 mobile app development, PHP

Set III Data structures and algorithms knowledge and research experience

internships & projects

2017 Instagram @ Facebook - Software Engineer Intern https://instagram.com

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%.

2016 **Pure Storage - Software Engineer Intern** https://purestorage.com

> 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.

2015

Pure Storage - Software Engineer Intern https://purestorage.com

Implemented the bandwidth shaping and batch restoration features for cross-array data replication.

Designed and implemented a transaction framework for atomically updating array database.

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 controll and OpenGL for interface rendering.

Won 1st place at MakeMIT final round.

The MIT Tech - Designer & Coder 2015 https://thetech.com

Designed the new website and backend CMS for The Tech – MIT's oldest and largest newspaper.

Built with Ruby on Rails on a Varnish + Nginx infrastructure on Amazon AWS (including EC2, RDS, and S3).

major honors & awards

2013 American Invitational Mathematics Examination (AIME) worldwide percentile 97%. USAMO gualifier.

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.