

education

- 2018-2019 **Massachusetts Institute of Technology, Cambridge, MA** Master
Pursuing a M.S. in Computer Science.
Relevant courses: Computer Networks, Database Systems.
- 2014-2018 **Massachusetts Institute of Technology, Cambridge, MA** Undergraduate
B.S. in Computer Science. 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.

technical 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

- 2018 **Facebook - Software Engineer Intern** <https://facebook.com>
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.
- 2017 **Instagram @ Facebook - Software Engineer Intern** <https://instagram.com>
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%.
- 2016 **Pure Storage - Software Engineer Intern** <https://purestorage.com>
Optimized write path throughput performance for data being replicated between arrays.
Implemented changes that enable an increased number of replication pairs to be set up 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 physical motions.
Won 1st place at MakeMIT final round.
- 2015 **The MIT Tech - Designer & Coder** <https://thetech.com>
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).

major honors & awards

- 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.