ANDREW XIA

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EDUCATION

Massachusetts Institute of Technology — Class of 2017
Candidate for BS in Mathematics and Computer Science (18C)· GPA: 4.5/5.0 — *Cambridge, MA*
Selected Coursework: Applied Discrete Math, Modern Algebra, Real Analysis, Numerical Methods, Algorithms I & II & III, Computational Structures, Microcomputer Project Laboratory
Awards: HackMIT 2014 Sailthru Prize (Oct 2014)

Peking University — Fall 2015
Exchange student, took classes taught in Chinese (Modern Chinese Literature, Newspaper Photography) *Beijing, China*

The Rivers School — Class of 2013
Awards: Cum Laude Society, High Honor Roll · GPA: 4.0/4.0 — *Weston, MA*

WORK EXPERIENCE

Daiwa Steel & Tube — January 2016
Extern — *Tochigi, Japan*
· Provided software improvement recommendations to company's meeting management system
· Toured steel factory, along with Nippon Steel & Kawada Robotics factories, and subsequently developed recommendations for factory safety improvement

Pupil Labs — Summer 2015
Software Engineer Intern — *Berlin, Germany*
· Improved company's pupil detection software by implementing 3D eye tracking algorithm
· Assisted assembly of pupil headsets, helped develop new website. Part of MIT MISTI-Germany Program

VISA — Summer 2014
Software Engineer Intern — *San Francisco, CA*
· Intern at Visa Labs Incubator division, designed backend for new payments website.
· Presented demo of augmented reality payments system to board of directors at end of internship

AG Mednet — Summer 2013
Software Engineer Intern — *Boston, MA*
· Developed an approximate string matching algorithm in Java that optimized search through company database
· Decreased search time inside database by 80% over previous search tool

MIT PRIMES — January 2012 - December 2012
High School Researcher — *Cambridge, MA*
· Research in techniques dealing with incomplete cancer data, low-rank matrix recovery
· Research Paper accepted to 2013 JMM Conference in San Diego, CA

ACTIVITIES AND LEADERSHIP

· **Undergraduate Math Association** Secretary — *2015 - pres.*
· **MIT Tour Guide** Also dressed up as Tim the Beaver! — *2014 - pres.*
· **Amphibious Achievement** Director of Program Evaluation, Swim Coach, Academic Mentor — *2013 - pres.*
· **Pi Lambda Phi Fraternity** Vice President, Scribe, Community Relations Chair — *2013 - pres.*
· **Class Council** 11th Grade Class President — *2011 - 2012*

SKILLS AND INTERESTS

Computer Languages	Python, Java, HTML/CSS, Git
Human Languages	fluent in English & Chinese; conversational in German & Japanese
Interests & Hobbies	Planespotting, Skiing, Photography, Reading, Writing, Traveling & Living Abroad
Favorite Book	The Fountainhead