

# ANDREW XIA

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## EDUCATION

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### Massachusetts Institute of Technology

Class of 2017

Candidate for BSc in Mathematics and Computer Science (18, 6-2) · 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

*Beijing, China*

## WORK EXPERIENCE

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### Morgan Stanley

Summer 2016

*Quantitative Finance Intern*

*New York, NY*

· Upcoming!

### 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 gene-expression cancer data using low-rank matrix recovery

· Research Paper accepted to 2013 JMM Conference in San Diego, CA

## ACTIVITIES AND LEADERSHIP

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· **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

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### Computer Languages

Python, Java, HTML/CSS, Git, Matlab, Assembly

### Human Languages

fluent in English & Chinese; conversational in German & Japanese

### Interests & Hobbies

Planespotting, Skiing, Photography, Reading, Writing, Traveling

### Favorite Book

The Fountainhead