

# Yuanqing (Kai) Xiao

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## EDUCATION

### Massachusetts Institute of Technology

Candidate for B.S. Degree in Computer Science and Mathematics; GPA: 5.0/5.0

Coursework: Software Construction, Design and Analysis of Algorithms, Advanced Algorithms (current)

Cambridge, MA

2013-2017

### Bellarmino College Preparatory

GPA: 4.0/4.0; SAT: 2400

San Jose, CA

2009-2013

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## WORK EXPERIENCE

### A9 (Product Search Team)

*Software Development Engineer Intern*

Palo Alto, CA

Summer 2014

- Worked with Apache Hadoop and Apache Pig to perform map-reduce tasks
- Generated and logged statistical metrics related to Amazon's product search rankings
- Mined Twitter data for trending music and showed related items available on Amazon (side project)

### Jane Street Capital

*Assistant Trader*

New York City, NY

January 2014

- Modeled stock market behavior through analysis of historical and recent financial data

### Stanford University Chemistry Department; Bianxiao Cui, Ph.D.

*Data Analysis Intern*

Stanford, CA

July-Aug. 2012

- Processed images of protein movement across axons; traced curves in images using MATLAB program
  - Improved functionality of MATLAB curve-tracing program after learning the language from scratch by implementing new functions to select, join, or split previously traced curves and to reopen saved files
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## LEADERSHIP EXPERIENCE

### MIT TechX

*Director of Corporate Relations*

2014-Present

- Leader of student committee that communicates with companies to sponsor and exhibit their technologies at MIT's annual Techfair
- Works with other executive board members to run events that expose MIT students to cool technology

### Bellarmino Math Club

*President*

2011-2013

- Organized meetings, informed members of opportunities to learn math, and taught problem solving lessons
- Planned and executed events such as participating in math competitions and meetings with other math clubs

### Bellarmino Science Club

*Core Team*

2012-2013

- Collaborated with other core members to plan and execute field trips, science demonstrations, and participation in science competitions
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## ACTIVITIES & AWARDS

### PennApps 2014 Nexmo API Award

February 2014

- Worked on front-end (Twitter bootstrap) for award-winning educational web app

### Problem Committee for Harvard MIT Math Tournament

2013-Present

- Prepares and proofreads problems and solutions for annual high school math tournament

### Math and Science Olympiads

2009-2013

- Qualified 4 times for USA Math Olympiad; Ranked top 24 in the nation out of over 100,000 in 2012
- Attended Math Olympiad Summer Program 2 times; top 50 students on the USA Math Olympiad are invited
- Gold Division of USA Computing Olympiad

### Speech and Debate Team

2009-2013

- Active team member in Policy Debate and Original Oratory speaking

### Junior Varsity Cross Country Runner

2010-2012

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## SKILLS & INTERESTS

- Languages: English, Mandarin
- Computer Programming: Java, Python, MATLAB, Pig
- Interests: MIT Dance Troupe, Ultimate Frisbee, Basketball, Piano, Alpine Skiing, Pi Lambda Phi Fraternity