

# Akshay Ravikumar

akshayr.me | (925) 413-6077

in /akshayravikumar  
github /akshayravikumar

## Education

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### Massachusetts Institute of Technology

Bachelors in Computer Science

2014 – 2018 | Cambridge, MA

GPA: 5.0/5.0

### Foothill High School

Class of 2014 Salutatorian

2010 – 2014 | Pleasanton, CA

GPA: 4.45

## Coursework

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\* = current

Network and Computer Security (6.857)  
Distributed Systems Engineering (6.824)  
Computer System Engineering (6.033)  
Design and Analysis of Algorithms (6.046)  
Software Studio (6.170)  
Introduction to Machine Learning (6.036)  
Introduction to Algorithms (6.006)  
Software Construction (6.005)  
Computation Structures (6.004)

## Awards

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- **Top 500 Scorer**, Putnam Math Competition
- **First Place in Media and Advertising**, Harvard Hackfest
- **Two-time Qualifier**, USA Math Olympiad and USA Junior Math Olympiad
- **Silver Division**, USA Computing Olympiad

## Leadership

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- **Outreach Chair**, Harvard MIT Math Tournament
- **Class Assistant**, Art of Problem Solving
- **Co-founder and Website Designer**, Pleasanton Math Circle (pleasantonmathcircle.com)

## Skills

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Python, Java, JavaScript, C++, Go, JQuery, Node.js, AngularJS, MongoDB, HTML, CSS, Bash, ~~TEX~~, Git, Linux

## Experience

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### Google | Software Engineering Intern

May 2016 – Present | Mountain View, CA

Working on the Android App Streaming team.

### Lytmus | Software Engineering Intern

Jan 2016 | San Francisco, CA

Wrote RESTful API Routes to interact with third-party vendors and implemented anti-cheating measures.

### Akamai Technologies | Software Engineering Intern

June 2015 – Oct 2015 | Cambridge, MA

- Created an application and web interface to evaluate the efficiency and accuracy of Forward Error Correction algorithms. Used JavaScript, C++, and Bash.
- Used algebra, statistics and machine learning methods to analyze data from the production network and assess loss, latency, jitter, etc. Used Java and Python.

### Embedur Systems | Software Engineering Intern

Jan 2015 | Cambridge, MA

Migrated a C application from MySQL to Cassandra, a distributed database management system.

### Stanford Institutes of Medicine Research Program | Intern

Jun 2012 – Aug 2013 | Stanford, CA

Directed a three-person research project to computationally analyze prostate cancer biomarkers. Used C++ and Java.

## Projects

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### Notably | notably.xyz

- Worked with classmates to create a collaborative note-taking application for MIT students. Used Node.js, AngularJS, Socket.io, JQuery.
- Won **Best Feature Set** in MIT Web Design Class (6.170).

### Lexicon | playlexicon.me

Making a multiplayer online word game using MongoDB, Express, AngularJS, Node.js.

### Fleek | fleekon.me

- Worked with classmates to create a dynamic database of math and science problems. Used Python and JavaScript for data visualization and accumulation.
- Won **Fourth Place** in MIT Web Programming Competition (6.148).