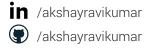
# Akshay Ravikumar

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#### Education

## Massachusetts Institute of Technology

Bachelors in Computer Science 2014 – 2018 | Cambridge, MA GPA: 5.0/5.0

### Coursework

\* = current

Performance Engineering (6.172)\*
Operating Systems (6.828)\*
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 (Web Development) (6.170)
Introduction to Machine Learning (6.036)
Introduction to Algorithms (6.006)
Software Construction (6.005)
Computation Structures (6.004)

#### **Awards**

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

## Leadership

- Outreach Chair, Harvard MIT Math Tournament (2015 - 2016)
- Class Assistant, Art of Problem Solving (2014 2016)
- Co-founder and Website Designer, pleasantonmathcircle.com (2011 - 2016)

## Skills

Python, Go, JavaScript, Java, C++, JQuery, Node.js, AngularJS, MongoDB, HTML, CSS, Bash, ET=X, Git, Linux

## Experience

#### Google | Software Engineering Intern May 2016 – August 2016 | Mountain View, CA

Implemented features to increase the robustness of automated testing on the Android App Streaming team. Used Go.

## Lytmus | Software Engineering Intern

Jan 2016 | San Francisco, CA

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

#### Akamai Technologies | Software Engineering Intern June 2015 – Oct 2015 | Cambridge, MA

- Created an application and web interface to evaluate the effiency 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 an application from MySQL to Apache Cassandra. Used C.

#### Stanford Institutes of Medicine Research Program | Intern Jun 2013 – Aug 2013 | Stanford, CA

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

## **Projects**

## Notably | notably.xyz

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

#### Lexicon | playlexicon.me

Making a multiplayer online word game using Firebase, 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).