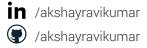
# Akshay Ravikumar

akshayr.me | (925) 413-6077



#### Education

# 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

\* = 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**

- 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

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

#### Skills

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

# Experience

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

#### MIT Space Systems Lab | Research Intern Oct 2014 - Dec 2014 | Cambridge, MA

Tested and enhanced a C++ OpenCV application that enables SPHERES satellites to dock with each other.

#### 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**

### 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).