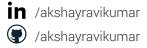
# Akshay Ravikumar

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)\*
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)
Probability and Random Variables (18.440)

# awards

- Top 500 Scorer, Putnam Math Competition
- First Place in Media/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, JQuery, Node.js, AngularJS, MongoDB, HTML, CSS, Bash, *ET*EX, C++, Git, Linux

# experience

#### Lytmus | Software Engineering Intern Jan 2016 - Present | San Francisco, CA

- Writing RESTful API Routes to interact with third-party vendors
- Implementing whitespace watermarking to prevent cheating

#### Akamai Technologies | Software Engineering Intern Jan 2015 - Oct 2015 | Cambridge, MA

- Created an application and web interface to evaluate error correction algorithms. Used JavaScript, C++, and Bash.
- Analyzed data from the production network to assess loss, latency, etc. Used Java and Python.

#### Embedur Systems | Software Engineering Intern Jan 2015 | Cambridge, MA

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

#### Stanford Institute of Medicine Research Program | Intern Jun 2012 - Aug 2013 | Stanford, CA

Directed a three-person research project to computationally analyze prostate cancer biomarkers.

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

Tested/modified an OpenCV-based application that enables SPHERES satellites to dock with each other.

# projects

# Notably | notably.xyz

- Worked with classmates to create a collaborative note-taking application. Used Node, Angular, Socket.io, JQuery.
- · Won Best Feature Set in MIT Web Design Class.

#### Lexicon | playlexicon.me

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

#### Fleek | fleekon.me

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