



Akshay Ravikumar

akshayr.me | (925) 413-6077

 akshayravikumar
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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*
Computer System Engineering*
Design/Analysis of Algorithms
Software Studio
Introduction to Machine Learning
Introduction to Algorithms
Software Construction
Computation Structures

awards

- **Top 500 Scorer**, Putnam Math Competition
- **First Place in Media/Advertising**, Harvard Hackfest
- **Four-time Qualifier**, USA(J)MO
- **Silver Division**, USACO

leadership

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

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 Intern
Jun 2012 – Aug 2013 | Stanford, CA

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

projects

Notably | notably.xyz

Worked with classmates to create a collaborative note-taking application. Won **Best Feature Set** in MIT Web Design Class.

Lexicon | playlexicon.me

Making a multiplayer online word game using the MEAN stack.

Fleek | fleekon.me

Worked with classmates to create a dynamic database of math/science problems. Won **Fourth Place** in MIT Web Programming Competition.

skills

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