Akshay **Ravikumar**

akshayr.me | (925) 413−6077

in /akshayravikumar

/akshayravikumar

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, $\LaTeX$, 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).