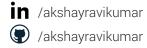
Akshay Ravikumar

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++, JQuery, Node.js, AngularJS, MongoDB, HTML, CSS, Bash, *ET*EX, Git, Linux

Experience

Lytmus | Software Engineering Intern

Jan 2016 - Present | San Francisco, CA

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

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

- Created an application and web interface to evaluate the effiency and accuracy of Forward Error Correction (FEC) 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 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 an 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, 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.