Akshay **Ravikumar**
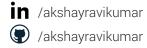
akshayr.me | (925) 413−6077

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Education

Massachusetts Institute of Technology
Bachelors in Computer Science
2014 − 2018 | Cambridge, MA
GPA: 5.0/5.0

Coursework   ** = current*

Performance Engineering (6.172)*
Operating Systems (6.828)*
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 (Web Development) (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
- **Four-time Qualifier**, USA (Junior) Math Olympiad
- **Silver Division**, USA Computing Olympiad

Leadership

- **Outreach Chair**, Harvard MIT Math Tournament (2015 - 2016)
- **Class Assistant**, Art of Problem Solving (2014 - 2016)
- **Co-founder and Website Designer**, pleasantonmathcircle.com (2011 - 2016)

Skills

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

Experience

Google | Software Engineering Intern
May 2016 − August 2016 | Mountain View, CA
Implemented features to increase the robustness of automated testing on the Android App Streaming team. Used Go.

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.

Stanford Institutes of Medicine Research Program | Intern
Jun 2013 − 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, MongoDB, JQuery.
- Won **Best Feature Set** in MIT Web Design Class (6.170).

Lexicon | playlexicon.me
Making a multiplayer online word game using Firebase, 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).