Akshay Ravikumar

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Education

Massachusetts Institute of Technology
B.S. in Computer Science and Engineering, M.Eng in CS
2014 – 2018 | Cambridge, MA
GPA: 5.0/5.0

Coursework

Computer Systems Security (6.858)
Machine Learning (6.867)
Performance Engineering (6.172)
Operating Systems (6.828)
Computer Vision (6.819)
Network and Computer Security (6.857)
Distributed Systems Engineering (6.824)
Design and Analysis of Algorithms (6.046)
Software Studio (Web Development) (6.170)

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

- **Teaching Assistant**, Introduction to Algorithms (Fall 2016, Spring 2017)
- **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

Two Sigma Investments | Software Engineering Intern
June 2017 – Present | New York, NY
Implementing features for a realtime analytics dashboard platform. Using Scala, Java, and JavaScript.

MIT Spoken Language Systems Group | Researcher
April 2017 – May 2017 | Cambridge, MA
Ran experiments to analyze the effects of a character LSTM on neural machine translation performance. Used Lua.

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 a RESTful API to interact with third-party vendors and implemented anti-cheating measures. Used Python and JavaScript.

Akamai Technologies | Software Engineering Intern
June 2015 – Sept 2015 | Cambridge, MA
- Created an application to evaluate Forward Error Correction algorithms. Used JavaScript, C++, and Bash.
- Used 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 | Fremont, CA
Migrated an application from MySQL to Apache Cassandra. Used C.

Projects

Notably | notably.xyz
- Worked with classmates to create a collaborative note-taking application. Used Node.js, AngularJS, Socket.io, MongoDB, JQuery.
- Won **Best Feature Set** in MIT Web Design Class (6.170).

Fleek | fleekon.me
- Worked with classmates to create a dynamic database of math and science problems. Used Python and JavaScript.
- Won **Fourth Place** in MIT Web Programming Competition (6.148).