Akshay Ravikumar

akshayr.me • akshayr@mit.edu • (925) 413–6077

in /akshayravikumar
/akshayravikumar

Education

Massachusetts Institute of Technology
B.S. and M.Eng. in Computer Science

Class of 2018, GPA: 5.0/5.0

Coursework   ** = Fall 2017*
Natural Language Processing*
Computer Systems Security
Machine Learning
Performance Engineering
Operating Systems
Network and Computer Security
Distributed Systems Engineering
Design and Analysis of Algorithms
Software Studio (Web Development)

Awards

Top 500 Scorer, Putnam Math Competition

First Place in Media and Advertising,
Harvard Hackfest

Four-time Qualifier, USA Math Olympiad

Silver Division, USA Computing Olympiad

Leadership

Webmaster, MIT Eta Kappa Nu (HKN) Honor
Society (2017 – 2018)

Teaching Assistant, Design and Analysis of
Algorithms (Fall 2017)

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

Outreach Chair, Harvard MIT Math
Tournament (2015 – 2016)

Co-founder and Website Designer,
pleasantonmathcircle.com (2011 – 2016)

Skills

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

Experience

Two Sigma Investments (Summer 2017)
Software Engineering Intern

Implementing features for a realtime analytics dashboard platform.
Using Scala, Java, and JavaScript.

MIT Spoken Language Systems Group (Spring 2017)
Researcher

Ran experiments to analyze the effects of a character LSTM on
neural machine translation performance. Used Lua.

Google (Summer 2016)
Software Engineering Intern

Implemented features to increase the robustness of automated
testing on the Android App Streaming team. Used Go.

Lytmus (January 2016)
Software Engineering Intern

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

Akamai Technologies (Summer 2015)
Software Engineering Intern

- Created an application to evaluate Forward Error Correction
  algorithms. Used JavaScript, C++, and Bash.
- Used machine learning methods to analyze the production
  network and assess loss, latency, etc. Used Java and Python.

Embedur Systems (January 2015)
Software Engineering Intern

Migrated an application from MySQL to Cassandra. Used C.

Projects

Notably (notably.xyz)

- Worked with classmates to create a collaborative note-taking
  application. Used Node.js, AngularJS, Socket.io, MongoDB.
- Won **Best Feature Set** in MIT Web Development class.

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.