Akshay Ravikumar

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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

Implemented an application to streamline the creation and deployment of
realtime dashboards. Used 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 a module 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 integrate the application with a third-party vendor.
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.