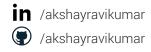
# Akshay Ravikumar

akshayr.me · akshayr@mit.edu · (925) 413-6077



#### 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, *ET*=X, 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 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 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.