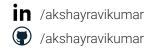
# Akshay Ravikumar

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



#### **Education and Coursework**

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

Class of 2018, GPA: 4.9/5.0

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)

### Experience

**Two Sigma Investments** – *Software Engineering Intern* 

Summer 2017

Implemented an application to streamline the creation/deployment of realtime dashboards. Used Scala and JavaScript.

**MIT Spoken Language Systems Group** – Researcher

Spring 2017

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

**Google** – Software Engineering Intern

Summer 2016

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

**Lytmus** – Software Engineering Intern

January 2016

Wrote a REST API to integrate the application with a third-party vendor. Used Python and JavaScript.

**Akamai Technologies** – Software Engineering Intern

Summer 2015

- · 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** – Software Engineering Intern

January 2015

Migrated an application from MySQL to Cassandra. Used C.

#### Awards

Putnam Math Competition, Top 200 Scorer (2017), Top 500 Scorer (2014)

MIT Web Development Class Final Project, Best Feature Set (2015)

Harvard Hackfest, First Place in Media and Advertising (2014)

USA Math Olympiad, Two-time Qualifier (2013, 2014)

## Leadership

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

**Teaching Assistant**, Design and Analysis of Algorithms (Fall 2017), Intro to Algorithms (Fall 2016, Spring 2017, Spring 2018) **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