



Akshay Ravikumar

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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

Top 200 Scorer, Putnam Math Competition (2017)

Best Feature Set, MIT 6.170 Web Development Final Project (2015)

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

Two-time Qualifier, USA Math Olympiad (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, pleasantmathcircle.com (2011 – 2016)

Skills

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