Akshay Ravikumar

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Education

2014 - 2018 **Massachusetts Institute of Technology** **Cambridge, MA**
Bachelors in Electrical Engineering and Computer Science, GPA: 5.0/5.0
Coursework includes: Intro to EECS, Elements of Software Construction, Introduction to Machine Learning, Introduction to Algorithms, Probability and Random Variables, Differential Equations

2010 - 2014 **Foothill High School** **Pleasanton, CA**
GPA: 4.45 (weighted), Class of 2014 Salutatorian

Work Experience

June 2015 - **Akamai Technologies** **Cambridge, MA**
Present *Software Engineering Intern*
Will work for the Emerging Products - SRIP group this summer.

Jan 2015 **EmbedUR Systems** **Fremont, CA**
Software Engineering Intern
Conducted the migration of a C-based Radio Resource Management (RRM) Algorithm from MySQL to Cassandra, a distributed database management system.

Oct 2014 - **MIT Space Systems Lab** **Cambridge, MA**
Dec 2014 *Research Intern*
Tested/modified an OpenCV algorithm that enables SPHERES satellites to dock with each other.

Sep 2014 - **Art of Problem Solving** **Cambridge, MA**
Present *Class Grader/Assistant*
Assisting in online math/computer science classes, and providing feedback on homework.

Nov 2011 - **Pleasanton Math Circle** **Pleasanton, CA**
June 2014 *Founder*
Cofounded a math circle to educate 60 middle school students on abstract mathematical concepts.

June 2013 - **Stanford Institute of Medicine Research Program** **Stanford, CA**
Aug 2013 *Bioinformatics Research Intern*
Directed a three-person project to computationally analyze prostate cancer biomarkers. Used C++/Java/R to identify trends in protein stability, amino acid composition, etc.

Awards

Jan 2015 4th place in the MIT IAP Web Programming Competition
Oct 2014 First Place in Media/Advertising at the Harvard Hackfest
2010 - 2014 Two-time USAMO Qualifier, Two-time USAJMO Qualifier
2014 USA Computing Olympiad, Silver Division Qualifier/Contestant

Skills

Basic C, JQuery, Cassandra, MongoDB
Intermediate C++, LaTeX, Java, Python, Javascript, Github
Advanced Math