# 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 - Present**    **Akamai Technologies**     **Cambridge, MA**
*Software Engineering Intern*
Interning for the SureRoute IP (SRIP) Group this summer. Working to create an interface to evaluate a novel Forward Error Correction (FEC) algorithm versus the existing implementation.

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

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

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

**June 2013 - Aug 2013**    **Stanford Institute of Medicine Research Program**     **Stanford, CA**
*Bioinformatics Research Intern*
Directed a three-person research project to computationally analyze prostate cancer biomarkers.

## 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
**2013**    USA Computing Olympiad, Silver Division

## Skills

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