

# AKHIL RAJU

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410 Memorial Dr.  
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## EDUCATION

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### MIT

June 2015

- Candidate for M.Eng in Computer Science
- Completed B.S. in Computer Science & Electrical Engineering - GPA: 5.0 / 5.0
- Member of Tau Beta Pi Engineering Honor Society, Finalist for the Top Engineering Student Award
- Select Coursework: Algorithms, Machine Learning, Computer Vision, Signal and Image Processing, Robotics

## SKILLS

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### Programming

Java, Python, Matlab, C++, HTML, JavaScript, CSS

### Open-source Frameworks/Tools

OpenCV, ROS, Hadoop, Cassandra, Elasticsearch, Android, SVN, Git

## EXPERIENCE

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### MIT Computer Vision Group

February, 2014 - Current

*Researcher*

*Cambridge, MA*

- Studying the inherent memorability of faces and popularity of general images
- Designing a machine-learning algorithm to measure and modify an image's popularity
- Running thousands of experiments on Amazon's Mechanical Turk to calculate human performance

### Google

June, 2014 - August, 2014

*Associate Product Management Intern*

*New York, NY*

- Designed and defined the specifications of new products for Google Docs
- Carried features from their design phase, through implementation, to their public launch
- Coordinated efforts of engineering, UX, marketing, and legal teams to release products efficiently

### Palantir

June, 2013 - August, 2013

*Forward-deployed Software Intern*

*Palo Alto, CA*

- Created customer-specific "big-data" analysis tools in Java for banks and healthcare companies
- Secured Palantir's large data-store solution with SSL and password authentication
- Optimized the runtime of large map-reduce jobs running on Palantir's flavor of Cassandra

### WhatsApp

June, 2012 - August, 2012

*Mobile Software Intern*

*Mountain View, CA*

- Released significant software updates that benefited millions of WhatsApp users
- Enhanced the UI and optimized the performance of the mobile app using Java to better the overall user experience
- Designed the app's registration pages for easier access to WhatsApp worldwide

### Hewlett-Packard - Arcsight

June, 2011 - August, 2011

*Software Intern*

*Cupertino, CA*

- Streamlined the software testing process at Arcsight Enterprise Security, an HP company
- Developed new features in Java for their internal testing environment and automated portions of the testing

## LEADERSHIP ROLES/ACTIVITIES/PROJECTS

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### President - Burton-Conner House

January, 2013 - January, 2014

- Advocate for dorm residents to administrators in university-wide student government councils
- Organize events and services for the over 300 students living in Burton-Conner

### Mobile Autonomous Systems Lab

January, 2014

- Designed and programmed an autonomous, ball-collecting robot from scratch as part of a team of 4
- Built the vision-processing and high-level decision-making modules in Java and Python

### Autonomous Block-Stacking Robot

February, 2013 - May, 2013

- Created an autonomous robot to navigate around obstacles while finding, picking up, and stacking blocks
- Used ROS to process vision and sensory information and to control the robot's wheels and arm

### MIT Techfair - Corporate Relations

September, 2010 - January, 2011

- Organized a technology expo at MIT for over 1000 students and 30 companies
- Marketed event to companies, like Apple, Pixar, and Adobe, and several student groups