Rahul Shah

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Education

University of Illinois at Urbana-Champaign   Class of 2020
  B.S. Computer Science (Engineering)   GPA: 3.61

- **Completed:** CS 125-Introduction to Computer Science (Java course)
- **In Progress:** CS 126-Software Debugging Studio, CS 173-Discrete Structures, CS 225-Data Structures

Rolling Meadows High School, Rolling Meadows, IL   Class of 2016
- Graduated with Highest Honors and AP Scholar Commendations   GPA(Weighted): 5.51
- ACT Composite 33/36, Math 36/36

Computer Science Experience

Katalyst Technologies, Evanston, IL   Summer Internship|Summer 2016
An independent technology firm specializing in consulting, IT, and app development
- Aided in creating sorting algorithms to reorganize companies' customer databases
- Assisted in developing an Android real estate app. Created a conceptual framework of the logistics behind the app while evaluating the product interface.
- Compiled a product report on BoardShare, a virtual multi-platform whiteboard. Assessed the functionality of BoardShare through tests with younger users.

FIRST Robotics Wildstang, Team #111   Mechanical Lead|August 2012-May 2016
Building a robot in six weeks to compete in a global competition
- Utilized SolidWorks (CAD) to design and construct a robot. Created various subsystems such as the drive base and the shooting mechanisms.
- Collaborated with the software team to develop a scouting app in Java. Devised metrics with compiled data to truly quantify a robot's contributions to their alliance.

SatDev   August 2016-Present
An Illinois student organization united with NASA to advance multiple satellite projects
- Affiliated with the Mission Control team. Responsible for providing satellite tracking, command and control, scheduling, and data.
- Utilizes Node, Angular JS, Bootstrap, UI, and MySQL
- Working towards autonomous ground station control and adaptive limit checking using machine learning algorithms.

Programming Languages: C++, Android, MySQL, and Java

Stanford EPGY C and Java Courses, 2015, Grades A+/A   February 2015-November 2015

Activities & Leadership

Association for Computed Machinery (SIGMobile)   August 2016–Present
A group of computer scientists committed to creating mobile apps
- Learning mobile development through Android. Currently developing health apps for wearable technology.

Rotary Interact   Executive Board Member|August 2012–May 2016
A student group partnered with the local rotary to complete various local and global service projects
- Coordinated multiple creative fundraising efforts to construct an orphanage for former child trafficking victims trapped in a Ghanaian fishing ring. Raised over $10,000 in four years to house ten children.
- Organized an Oberweis Fun Night where teachers dressed in cow costumes and served ice cream to raise money for mechanical cows that produce soy milk for lactose intolerant villages in Guatemala. Raised over $2,500 in one week to purchase five cows.

Special Skills

Music: Skilled in Guitar and Violin, ILMEA Award Winning Symphony Orchestra
Math: 3-time State Qualifier in Individual and Team Events