

Rahul Shah

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Education

University of Illinois at Urbana-Champaign
B.S.E. Computer Science (Engineering)

Class of 2020
GPA: 3.63

- **Completed:** CS 225 Data Structures (taught in C++), CS 125-Intro to Computer Science (Java course)
- **In Progress:** CS 241 Systems Programming, CS 233 Computer Architecture

Rolling Meadows High School, Rolling Meadows, IL

Class of 2016

- Graduated with Highest Honors and AP Scholar Commendations
 - ACT Composite 33/36, Math 36/36
- GPA(Weighted): 5.51

Work Experience

Chamberlain Group, Oak Brook, IL

Firmware Engineering Intern | May 2017-August 2017

The industry leader in garages and embedded products, specializing in the Internet of Things space

- Created a test harness console application in Visual Studio C to validate the sending of messages over UART to a ZM5202 microprocessor.
- Aided in constructing an API utilizing callbacks that allowed communication of a garage door hub, controlled by a Marvell processor, with the ZM5202, via the Z-Wave communication protocol.
- Developed a platform independent UART driver that was able to either run in a Windows or Free-RTOS environment. The driver was also configured to run in a multi or single threaded application, depending on the resources of the platform.

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.

Programming Languages: C/C++, Ruby on Rails, Java, Android, MySQL

Activities & Leadership

DevMatch

Summer 2017

A website used to connect developers to entrepreneurs

- Using the Ruby on Rails framework, created a website that would allow developers to meet entrepreneurs. Users can log in and view the contact information of other users if they pay a monthly \$10 fee. Implemented the website using Bootstrap and deployed it via Heroku. Also used Mailgun and Stripe for mailing customers and charging customers, respectively.
- Check out the website at <https://ancient-plains-97934.herokuapp.com> or by visiting my webpage. Also working to create another website to showcase advanced football statistics.

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, and MySQL

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.

Special Skills

Music: Skilled in Guitar and Violin, ILMEA Award Winning Symphony Orchestra

Math: 3-time State Qualifier in Individual and Team Events