

# Ronak Shah

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## EXPERIENCE

### MVMS PC, San Diego — *President, Founder*

OCT 2013 - PRESENT

Founded Programming Club at Mesa Verde Middle School to teach students programming in various languages.

### Westview Robotics, San Diego — *Systems Control Lead*

SEP 2014 - JUNE 2015

Lead Programmer for FRC (FIRST Robotics Competition) robot's IR Sensor Bar, used C++ and Arduino

### Westview Robotics, San Diego — *Computer Vision Lead*

SEP 2015 - PRESENT

Lead Programmer for target detection in FRC, used OpenCV, C++, and a Raspberry Pi

## EDUCATION

### Westview High School, San Diego

AUGUST 2014 - CURRENT

### COSMOS UC Irvine, Irvine

JULY 2015

Studied Sound Analysis and its Use in Mobile Technology under professor Dr. Martin Jaroszewicz

## COURSEWORK

### AP Computer Science — *Data Structures*

Study of Object-Oriented Design and Implementation

Study of Data Structures (Binary Trees, Hash Maps, Hash Tables, Queues, Stacks)

## SKILLS

|               |            |
|---------------|------------|
| Swift         | Proficient |
| Java          | Medium     |
| C++           | Medium     |
| Unix Terminal | Medium     |
| HTML/CSS/JS   | Basic      |

## AWARDS

**Best App, CodeDay** - My app Swift Planner took best app among high school and college students

**1st Place, San Diego Mayor's Cup** - I competed against 125 other teams in a cyber security competition.

## PROJECTS

### Swift Planner — *iOS App*

600+ Downloads, 41 Countries

[apple.co/1QH4dw4](https://apple.co/1QH4dw4)

## VOLUNTEERING

### Hour of Code

#### *Sunset Hills and Sundance Elementary*

Taught Basic Computer Science to Elementary School Students