**Ronak Manish Shah**

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**EDUCATION**

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**Westview High School** – Currently a 10th grader at Westview High School with a 4.0 GPA

**COSMOS UCI Irvine** – Spent 4 weeks at a highly competitive program learning about the use of sound in mobile devices from Professor Dr. Martin Jaroszewicz

**PROGRAMMING BACKGROUND**

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***Experience***

**Programming Club President, Mesa Verde Middle School**

* **Oct 2013 - May 2014** Founded Programming Club to teach other students computer programming in various languages (C++, HTML/CSS, JavaScript, Java)
* **Oct 2014 - present** Continue to mentor and guide the current members in the club. Additional role of Head of Executive Board, Treasurer

**Westview Robotics Systems Control Member**

* **Sep 2014 - June 2015.** Programmer for FRC (FIRST Robotics Competition) Robot.

**Westview Robotics Computer Vision Member**

* + **Sep 2015 – present.** Lead programmer for Computer Vision A Group

***Volunteering***

**Hour of Code**

* **Sunset Hills Elementary** – Volunteered in the Hour of Code event at the school to teach basic computer science concepts to elementary school kids and parents (2014 and 2015)
* **Sundance Elementary** – Taught 1st grader basic computer science concepts
* **Mesa Verde Middle School** – With Programming Club, taught grades 6-8 advanced programming concepts

***Awards***

**CodeDay San Diego, May 2014 -** My team won best project overall, competing against teams from high school and college

**CodeDay San Diego, Nov 2015 –** My project “Swift Planner” earned best app, against high school and college level teams

***Coursework***

**AP Computer Science**, Study of OOP principles (design and programming) and Data Structures using Java as the programming language for coding all projects

***Skills***

**HTML/CSS/JS** - Self-taught

**JAVA** - Learned through taking AP Computer Science, intermediate knowledge of OOP

**C++** - Learnt through Robotics, write C++ applications for industrial grade robots

**Swift** – Learnt through COSMOS UCI, able to write iOS Applications with ease

**Arduino** – Learnt through Robotics and online tutorials