

# Apoorva Panidapu

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## **Education and Test Scores**

2018 - Present	Nautilus Academy (Homeschool)	(8th grade)
2016-18	California Connections Academy	(6th-7th Grade)
2012-16	Tom Matsumoto Elementary School	(1st-5th Grade)

## **SAT [Dec. 2, 2017]**

Composite: 1530

Math: 800 (perfect score)

R/W: 730

## **College Classes**

I started taking college-level math courses at age 11. Course descriptions are below:

### **San Jose State University                      Fall 2017 - Present**

#### **MATH 108**

##### [Introduction to Abstract Mathematics and Proofs](#)

The purpose of this course is to develop students' mathematical maturity and skill with proofs. Material covered will include logic; set theory including functions, relations, and cardinality; the real number system, including the completeness axiom; and selected topics.

<http://info.sjsu.edu/web-dbgen/catalog/courses/MATH108.html>

#### **MATH 126**

##### [Theory of Numbers](#)

Divisibility, prime numbers, congruences of first and higher degrees, theorems of Fermat, Euler and Wilson. Quadratic residues.

<http://info.sjsu.edu/web-dbgen/catalog/courses/MATH126.html>

#### **MATH 128A**

##### [Abstract Algebra I](#)

Group theory: permutation groups, abelian groups, morphism theorems, finite groups. Introduction to rings and fields.

<http://info.sjsu.edu/web-dbgen/catalog/courses/MATH128A.html>

#### **MATH 115**

##### [Modern Geometry and Transformations](#)

Synthetic and analytic theory of projective transformations, similarities, Euclidian motions, inversive geometry and an introduction to non-Euclidean geometry.

## **MATH 142**

### [Introduction to Combinatorics](#)

Sets, permutations, combinations, probability, mathematical induction, counting techniques, generating functions, partitions, recurrence relations, inclusion-exclusion. Polya's theorem and applications to computer science, mathematics, engineering and physical sciences.

<http://info.sjsu.edu/web-dbgen/catalog/courses/MATH142.html>

## **Evergreen Valley College**

**Fall 2017 - Spring 2018**

### **MATH-062**

#### [Calculus for Business and Social Science](#)

This course presents single variable calculus and an introduction to multivariable calculus and their applications for business and social science students. The content includes functions and graphs, limits, continuity, differential and integral calculus of polynomials, rational functions, power functions, exponential functions, logarithmic and natural logarithmic functions, partial differentiation and applications of these topics in business and social science.

### **MATH-063**

#### [Elementary Statistics](#)

This course is an introduction to the study of statistics. It does not require a knowledge of calculus but does assume a familiarity with the concepts of intermediate algebra. Students will learn methods of displaying data, descriptive statistics, basic concepts of probability theory, random variables, common statistical distributions, estimates and sample size, hypothesis testing, goodness-of-fit test, contingency table analysis, tests of two independent population parameters, and regression and correlation. Students will apply basic statistical concepts to data from education, business, social sciences, and natural sciences. To aid in the analysis of data, the use of technology will be required.

### **Art of Problem Solving**

Introduction to Geometry

Intermediate Counting and Probability

Precalculus

Calculus

WOOT [In Progress]

Introduction to Python [In Progress]

### **Math Summer Programs**

[Canada/USA Mathcamp](#)

Summer 2018

[MathPath](#)

Summer 2017

### **Member, San Jose Math Circle (Founder Dr. Tatiana Shubin)**

#### **2016-Present**

<http://www.sanjosemathcircle.org/schedule>

+ Won first place awards at the monthly contests

## **Member of San Jose State Problem Solving Team**

### **2018-Present**

The SJSU Problem Solvers program offers problem solving challenges, prizes, and training for interested undergraduate students and graduate students, continuing the tradition of the Problem of the Week. The organizers are Dr. Daniel Brinkman and Dr. Yan X Zhang.

## **Founder, ApoorvaArtGallery.com**

My [art gallery](#) is an online venue for sharing my artwork. All the proceeds go directly to my charity: "Help Starving African Children" (administered through Save the Children). I am very honored to have received a commendation from [City of San Jose, Mayor Sam Liccardo](#) ([video link](#)). Apoorva Art Gallery was also recently featured on [Ellen and Cheerios "One Million Acts of Good Generation Good."](#) My personal story is featured on National Association of Gifted Children - <https://www.nagc.org/blog/art-charity%E2%80%99s-sake> and [video](#)

## **Public Speaking Events**

I enjoy speaking at events about my passion for mathematics and art, and how I share my gifts to give back to the community.

- [eBay Women in Tech - Future Leaders](#)
  - Topic - STEAM Powered
- [Tie Inflect - World's Largest Entrepreneur Conference](#)
  - [Topic - A Young Polymath's Perspective \(recorded video link\)](#)
- [Bay Area Influencers and Entrepreneurs](#)
  - Topic - STEAM Charged
- [Fireside Chat - Product Management Team \(eBay\)](#)
  - [Discussion Highlights \(recorded video link\)](#)

## **MEMBER OF**

- |   |              |
|---|--------------|
| ● Davidson Young Scholar                      | 2016-Present |
| ● MENSA International High IQ Society, Member | 2016-Present |
| ● Poetic Genius Society                       | 2017-Present |
| ● National Junior Honor Society               | 2016-2018    |

## **ACADEMIC AWARDS and HONORS**

### **INTERNATIONAL**

- |   |      |
|---|------|
| ● <b>World City Cup, Mental Arithmetic/Math Competition</b><br>+Gold Award Winner | 2015 |
|---|------|

### **NATIONAL**

- |   |             |
|---|-------------|
| ● <b>Math Prize Olympiad Qualifier</b>                            | <b>2018</b> |
| ● <a href="#">Math Prize for Girls Honorable Mention</a>          | <b>2018</b> |
| ● <b>AIME Qualifier</b>   | <b>2018</b> |
| ● <a href="#">USA Math Talent Search Honorable Mention</a>        | <b>2018</b> |
| ● <a href="#">Genius Junior National NBC Game Show Contestant</a> | <b>2018</b> |

- +One out of 36 contestants chosen from around the nation
- +Aired March, 2018
- +Number cruncher videos playlist - [video link](#)
- +Videos available at - [www.youtube.com/apoorvapanidapu](http://www.youtube.com/apoorvapanidapu)
- **The Exeter Math Competition, Individual Honor Roll** **2018**  
+Team Award (6th Place) and Team Sweepstakes (7th place)
- **Qualified for SET (Study of Exceptional Talent)** **2017**  
+Through Johns Hopkins Center for Talented Youth  
+Must score 700 or above on math or verbal section of SAT before age 13
- **AMC (American Math Competition) 10A/B** **2016-2018**  
+Achievement Roll
- **AMC 8, Distinguished Honor Roll** **2015-2017**
- **Selected As a Davidson Young Scholar** **2016**  
+The Young Scholar Program supports profoundly gifted children ages 5-18

### STATE

- **Two Time State MathCounts Qualifier** **2017 & 2018**  
+Top Female Scorer Award for Grade 6
- **Noetic Learning Math Contest (California)** **2016**  
+Perfect Score and National Honor Roll

### REGIONAL

- **MathCounts Chapter** **2018**  
+1st Place, Team; 2nd Place, Individual
- **[MandelBrot Competition Redwood Region, 2017-18 Contest](#)** **2018**  
+Top 20
- **MathCounts Chapter** **2017**  
+1st Place, Individual and Countdown

### LOCAL

- **[UC Berkeley Math Mini Tournament](#)** **2016**  
+3rd Place, Team; 2<sup>nd</sup> Place, Speed Round (Team – AStar Time Benders)
- **International Math Evaluation Contest (IMEC)** **2016**  
+First Place for 5th & 6th Graders  
+Received recognition from Assemblyman Kansen Chu & Milpitas Mayor Rich Tran
- **[Bay Area Math Olympiad \(BAMO\) 8](#)** **2015**  
+ Young Student Award; awarded by MSRI and UC Berkeley

### ART, SPEECH/DEBATE, MUSIC, & COMMUNITY SERVICE AWARDS/HONORS

- **NATIONAL Stanford National Speech And Debate, JV Division** **2018**  
[+Semi-Finalist, Dramatic Interp](#)  
[+Semi-Finalist, Oratorical Interp](#)
- **[National NASA Art Contest Grand Prize Winner K-12](#)** **2017**
- **Stanford National Speech And Debate, JV Division** **2017**  
[+Semi-Finalist, Oratorical Interp](#)

- [+Quarter-Finalist, Original Oratory](#)
- **National Speech and Debate, Birmingham, AL.** **2017**  
[+Semi-Finalist, Declamation](#)
- [+Presidential Volunteer Service Award- Gold](#) **2017**
- **National Speech and Debate, Salt Lake City, UT** **2016**  
[+Semi-Finalist, Original Oratory](#)
- **Presidential Volunteer Service Award- Bronze** **2016**

### STATE

- **CA Middle School State Championship, Speech & Debate, Oakland** **2016**  
[+ Semi-Finalist, Original Oratory](#)

### REGIONAL

- [+Scholastic Art and Writing Awards](#) **2018**  
[+Gold Key, Photography](#)  
[+Silver Keys \(2\), Critical Essay Writing](#)  
[+4 Honorable Mentions, Photography and Arts](#)

### LOCAL

- **First Violin; Concert Orchestra** **2018**
- [+Principal Second Violinist; San Jose Youth Symphony](#) **2017**  
[+Intermezzo String Ensemble](#)
- **Certificate of Merit Level 3,4,6** **2016-18**  
[+Level 6 Exam \(Feb. 2018\)](#)
- **Santa Clara Univ. Dempsey Cronin Invitational Speech & Debate** **2017**  
[+4th Place, Oratorical Interp Novice](#)
- **Santa Clara Univ. (SCU) Philalethic High School Speech & Debate** **2017**  
[+Semi-Finalist, Oratorical Interpretation & Original Oratory](#)
- **National PTA Reflections** **2015**  
[+School and District Winner for Literature](#)

### COMMUNITY SERVICE

- [+Fundraiser for Visually Challenged Kids](#) **2017-Present**  
[+I raise money by tutoring elementary and middle school children](#)  
[+I have raised over \\$4000](#)
- **Teaching Assistant; Stipe Elementary School** **2017-Present**  
[+Volunteer 2 hours a week](#)
- [+Fundraiser for Starving Children in Africa](#) **2016-Present**  
[+Selling my art pieces to raise money](#)  
[+I have raised over \\$3500](#)  
[+https://apoorvaartgallery.com](https://apoorvaartgallery.com)

### SPORTS

- **Kung Fu Martial Arts Program** **2013-Present**  
[+ Advanced Level in the Black Belt Program. Presently, Orange Black Belt](#)

