

Chirag Verma

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Junior, Eastlake High School, Sammamish, WA(2018-2022)

Currently junior in High School with a strong passion for higher math. I have two-plus years of hands-on working experience as a teaching assistant in Russian School of Mathematics. I have been learning Music/Piano since elementary school and just started venturing in the world of Robotics. I also maintain [Math blog](#) for helping prospective math students to better understand higher level math concepts in a simple language.

Highlights

- Attended prestigious online Ross Math summer program in Summer of 2020
- AIME (American Invitational Mathematics Examination) qualifier since eighth grade
- Won first place (gold medal) national and regional in Math Kangaroo 2020 competition with a perfect score.
- Participated in Yale Math Tournament 2020 and our team placed 18th (out of 120+ participating teams)
- Remotely teaching on Zoom for homework help for students from 5th to 12th grade since the pandemic
- Have been working with [Professor Paul Smith](#) on Zoom (who recently retired from University of Washington) since November 2020 discussing higher math concepts. Had reached out to him due to interest in Algebraic geometry
- Part of the Math Honor Society leadership team. Currently elected as the Competitions officer. Drove weekly meetings and help organize the monthly presentations which includes topic ideation, content generation, and creation/presenting PowerPoint slides.

Education

- Current GPA: 4.0 / 4.0
- SAT Subject Test – SAT II Math (Oct 2019). Score: 800
- Completed Multivariable Calculus I from Central Washington University (Running Start)

Competitions/Awards

[American Regions Mathematics League \(ARML\)](#) – Washington ARML A Team member

- **2019:** Team placed 9th in Division B.
- **2018:** Team placed 10th in Division B

[Math is Cool Competition](#) (Washington State-wide)

- **2020:** Placed 8th in Calculus and team placed 1st in the Washington state-wide
- **2019:** Placed 2nd in Calculus and team placed 1st both state-wide and regionals
- **2018:** Placed 1st in Pre-Calculus and team placed 1st both state-wide and regionals

Summer Math Programs

[The Ross Mathematics Program](#) (2020)

- Got selected in prestigious online Ross Math summer program
- Attended 6 weeks long curriculum (June 2020 – August 2020)

[Awesome Math](#) - Puget Sound, Washington (2018 and 2019)

- Selected for a three-week intensive global Math summer camp
- **2019:** Courses: Combinatorics III and Number Theory III (Jun'19 – Aug'19)

- **2018:** Courses: Geometry III and Combinatorics II (Jun'18 – Aug'18)

National Science Bowl Team (Sep'17 – Feb'18)

- Represented school in National Science Bowl (Math and Physics)
- Placed 5th in the Science bowl competition (Washing State-wide)

Exothermic Robotics Club - Redmond, Washington (Aug'19- Mar'20)

VEX Robotics Competition (Role: Programmer and Builder)

- Member of Exothermic robotics club team 10F
- Qualified for State in 2020 by winning Judge's Excellence Award

Extracurricular

Junior Varsity Track and Field (Feb'19 – May'19)

- Compete with EHS Team JV Track and Field Sprint team
- Participated in local meets (100 and 200 meters)

Marching Band/Wind Ensemble (Sep' 17– June' 20)

- Part of EHS Marching band (French Horn)
- Auditioned and got selected for Eastlake High School Wind Ensemble, as chair 4 Horn player

Work Experience

Russian School of Mathematics

Homework Help Tutor (Sep'18 – Present)

- Responsible for helping students with homework starting from third grade to Precalculus either as personalized individual tutoring or as a group setting. This entails explaining concepts which are not clear and then helping them with any questions they have about the topic or with the assigned homework

Office Assistant (May'18 – Jul'18)

- Responsible for managing Backoffice activities e.g., preparing materials needed for the class for the different teachers, photocopying sample homework sheets, organizing student homework, first pass at reviewing student homework.

Math Lab Volunteer (Sep' 18 – Jan'20)

- Nominated by Sr. Math Teacher to assist students in Math lab homework (Precalculus and Calculus)

Activities & Interests

- Math Blog – <http://stemmultiverse.com>
- Blog currently contains both higher math concepts and competition problems from AMC, AIME, IMO shortlist
- Participate in several Math competitions like AMC 10/12, AIME, "Who Wants to be a Mathematician", Online Math Olympiad, ARML etc.
- Piano (playing since Kindergarten), French Horn (part of School Marching band)

Achievements

- Student of the Month for the month of March for Math and Spanish 2 in Freshman year
- One of the two people who qualified for AIME from the entire High School in Freshman and Sophomore year