

Neel Manne

1753 Vermont Court, Allen, TX 75013
469-969-8727 neelmanne2025@gmail.com

EDUCATION

Jesuit College Preparatory School, Dallas, TX 9, 10, 11, 12

LEADERSHIP

Robotics Team Captain – FIRST Robotics Competition (FRC) (20 hrs/wk; 18 wks/yr) 11, 12

- Captain, driver, and lead designer on Jesuit's FRC team
- Oversee robot design and fabrication and match play

Plano Youth Leadership (3 hrs/wk; 9 wks/yr) 10

- Selected for a youth leadership group to develop leadership skills and an understanding of the local community to make a positive impact

President of Jesuit eSports Club (___ hrs/wk; ___ wks/yr) 11, 12

- Organize competitions for students competing in the High School eSports League (HSEL)
- Organize monthly gaming tournaments in school

HONORS AND AWARDS

National Honor Society 10, 11, 12

- Selected based on scholarship, leadership, service, and character

Haggerty Math and Science Scholarship 9, 10, 11

- Recognized for academic achievement in mathematics and science

Top Scorer – TXML and AMC 10 10, 11

- Attained the highest scores in the grade level on the Texas Mathematics League (TXML) tests and the American Math Competition (AMC) test

AP Scholar 10

- Recognized for receiving scores of 3 or higher on three or more AP Exams

Torchbearer Award, Destination Imagination Global Finals 2023 10

- This award honors teams or individuals whose solutions have an extraordinary impact in and beyond their local communities.
- Team received award for raising over \$25,000 to make college and career training programs attainable for the 12 high school seniors at a girls shelter in Mumbai, India

Global Finals, Destination Imagination 9, 10, 11

- Service Learning Challenge designed to engage students in public service that addresses real-life community issues
- Awarded 3rd place globally in 9th grade
- Awarded 6th place globally in 10th grade
- Awarded 12th place globally in 11th grade

EXTRACURRICULAR ACTIVITIES

Jesuit Varsity Tennis Team (6 hrs/wk; 25 wks/yr) 10, 11, 12

- Practice tennis every morning with school team and outside of school
- Compete in fall season matches

Destination Imagination (6 hrs/wk; 32 wks/yr) 9, 10, 11, 12

- In Destination Imagination (DI), students work together as a team to solve open-ended STEAM challenges designed to teach the creative process. Participants learn vital life and career skills—creative thinking, critical thinking, public speaking, and collaborative problem solving—to prepare students for success in the future.
- Won Global Finals competition for the past seven years
- Competed in Technical and Community Service Projects
- Participated in state level competition and Globals every year since 2018
- Lead the team in building technical props, writing stories and scripts, and writing the musical elements in a skit

Medical Society Club (2 hrs/wk; 15 wks/yr) 9, 10, 11, 12

- Learn about healthcare profession through biomedical classes and clinical rotations which includes dissection of many different types of animals
- Learn anatomy and physiology and improve technical skills

Robotics (20 hrs/wk; 18 wks/yr) 9, 10, 11, 12

- Designed and fabricated the FIRST Tech Challenge team's intake system in 2021-2022, the FRC team's elevator mechanism in 2023, and a drive base and ring launcher for the FRC team in 2024
- Won the design award in the regional competition organized by FIRST (For Inspiration and Recognition of Science and Technology)
- Qualified for FRC state championship twice
- Captain of Jesuit's FIRST Robotics Competition (FRC) Team in 2023-25; oversee the team's design process; teach CAD
- Driver and Pit Crew Captain at tournaments

Tae Kwon Do (6 hrs/wk; 48 wks/yr) 9, 10

- Earned Third Degree Black Belt from World Taekwondo Federation in 2022
- Lead member of the demo team and part of the leadership program which teaches students

Piano and Guitar (5 hrs/wk; 40 wks/yr) 9, 10, 11, 12

- Qualified each year to play at state level ensemble hosted by the Texas Music Teachers Association (TMTA)

- TMTA's mission is to advance the value of music study, dedicated to promoting high quality individual and group music instruction.
- Won awards in Sonatina festivals, Broadway festivals, and American festivals
- Gold medal in music theory every year (98%-101%)
- Learn guitar and piano for 10 years, using skills along with choir experience to form a band and perform in events to raise donations for different causes

COMMUNITY SERVICE

- Founder – Melodies 4 Mind (2 hrs/wk; 30 wks/yr) 9, 10, 11, 12
- Formed Melodies 4 Minds with four other high school students; organization focuses on organizing fundraising events showcasing volunteers' talents to make an impact on various causes such as underprivileged children's education, support for neurodiverse individuals, the fight against human trafficking, and other community needs
 - Main leader in organizing fundraising events, including putting a band together, music selection, and setting up sound systems
- It's Going to Be Ok, Inc. (4 hrs/wk; 20 wks/yr) 11
- It's Going to Be OK, Inc.'s mission is to eradicate human trafficking and to provide education, raise awareness, and funds for survivors of trafficking
 - Coordinated a musical fundraiser event, formed a band, found an event place, took care of the sound system, and put together a walk for freedom on the stage
 - Raise awareness about trafficking to over 400 families, raising over \$10,000 and four boxes of daily supplies for survivors' rehabilitation
- Corp Girls Shelter, Mumbai, India (3 hrs/wk; 40 wks/yr) 9, 10, 11, 12
- Developed enrichment program for over 33 girls ages 4-13, with hourly sessions every week, including yoga, dance, music, math, robotics, geography, and painting sessions
 - Brought in career speakers, taught English, celebrated festivals, and worked to develop problem solving and engineering skills
 - Raised over \$25,000 through a musical event by Melodies 4 Minds to be used towards college and career training programs attainable for children in the shelter
- Vibha Youth Organization (2 hrs/wk; 30 wks/yr) 9, 10, 11, 12
- Volunteer annually at Kite Festivals, marathons, and Arbor Days, perform at the festivals to raise funds, help plant trees, make banners and educate about recycling
 - Proceeds from events funded underprivileged children's education in India
 - Raised over \$6000 on band campaigns and over \$20000 for oxygen concentrators to send to India during the pandemic
- UC Davis Mind Institute (3 hrs/wk; 10 wks/yr) 9
- Developed interactive self-appointment book for children with Costello syndrome, helping the children manage their appointments with fun stickers and coloring pages as a means for others to understand their peer's syndrome

- Made over 100 face shields, 80 blankets and 100 face masks to be donated to UC Davis during quarantine along with blankets for the children in the Mind Institute during the Christmas season

North Texas Food Bank (5 hrs/wk; 6 wks/yr) 9

- Raised funds to help provide for over 12,500 meals for families in need

WORK EXPERIENCE AND SUMMER ACTIVITIES

UT Southwestern STARS Summer Research Program (40 hrs/wk; 8 wks/yr) 12

- Eight-week summer internship under guidance of Mentor and PI in a computational neuroscience research lab at UT Southwestern
- Conducted formal research and programming for computational experiments

Clinical Observership - Indira Gandhi Institute of Child Health/ Apollo Hospital, Bengaluru, India (40 hrs/wk; 3 wks/yr) 11

- Observed multiple surgeries including endoscopic surgery, spinal surgery, cesarean section, orthopedic surgery, and traumatic bone injury
- Observed outpatient clinic with surgeon
- Observed cardiologist exam, ECG and CT angiogram procedures

Data Entry/Analysis of Children's Visual Function Questionnaires (CVFQ) 11

- Created survey of visual function in 49 children with rare genetic condition called RASopathies
- Data entry and analysis; abstract submitted and accepted for poster presentation and platform presentation
- Poster presentation: 8th International RASopathies Symposium, Denver, July 2023
- *Vision-Related Quality of Life in Children with RASopathies*, Suma Shankar, Neel Manne, Prabhu Shankar, Katherine Rauen, University of California Davis
- <https://rasopathiesnet.org/wp-content/uploads/2023/07/2023-Program-072523.pdf>
- Platform Presentation: Northern California Genetics Exchange Conference, September 22, 2023

Math Tutor (20 hrs/wk; 8 wks/yr) 9, 10

- Tutor middle school students in Algebra I and II and precalculus

Accountant – pSolv (20 hrs/wk; 12 wks/yr) 9, 10

- Assisted in payroll department
- Responsible for creating reports on employee wages, calculating earnings based on hours worked, and data entry