

Andrei Nicoara

Highlands Ranch, CO
(720) 487 - 8072, Andrei_Nicoara@outlook.com

AREAS OF EXPERTISE

<ul style="list-style-type: none">• English, Romanian, French• Extemporaneous Speech• Business Presentation• Team organization• Teaching math and science	<ul style="list-style-type: none">• Programming experience in:<ul style="list-style-type: none">◦ Arduino,◦ Java,◦ Simulink,◦ and Python.
---	--

EDUCATION

STEM School Highlands Ranch:

Graduating class of 2025

Weighted Cumulative GPA as of August 2024: **4.3**

Current AP/CE Courses	Past AP Courses	Past CE Courses
AP Physics C AP Calculus BC AP English literature	10th & 11th Grade AP Chemistry AP Computer Science A AP Physics 1 AP Calculus AB AP US Government	11th & 12th Grade CE English Composition I/II CE Networking I/II CE Intro to Business CE CAD and Solidworks

CLUBS & ORGANIZATIONS



BEST Robotics Team #1920, Fall 2020-24, Technology Lead - Technology / Presentation Subteam

- Presented the robot control system and differentiating features to the judges panel at Front Range Locals and Midwest Regional (2023& 2024).
- Programmed and managed projects in Simulink as technology lead, ensuring smooth collaboration between four members of the software team and other teams such as engineering (2022-24).
- Scripted, recorded, and edited code showcase videos for the Simulink Design Award in partnership with other software team members (2022-24).



Bioengineering Opportunities Leadership Training Camp at CU Denver, Summer 2024

- Learned principles of the engineering design process through lab-based activities like soldering an Arduino-based Blood Oximeter.
- Assisted my project team in building an Arduino-based voice-activated door by integrating voice recognition and a representation of current push-button solutions.
- Presented the code and design sections of our showcase to the judges' panel.

Teacher Assistant, Spring 2024

- Guided students through activities, prepared labs, tested equipment, and answered questions.

Debate club - Discussion moderator, 2023-25

- Learned to calmly organize and present arguments backed by data in heated situations.
- Kept discussion clean and organized while noting points.

Varsity Debate Team - Speech Team Captain, 2024-25

- Learned to quickly prepare and deliver speeches on international events within a 30-minute time frame by participating in the Varsity International Extemporaneous Speaking event.
- Organized, motivated, and identified areas of improvement for teammates as Speech team captain.

HONORS & AWARDS

Honor Roll

- STEM Honor Roll Grade 9/Grade 10/Grade 11/Grade 12 S1 (2021 - 24)
- Arapahoe Community College Presidents List (2023-24)

BEST Robotics Awards

- Grade 12 (2024):
 - Notebook Award at Midwest Regional
 - 1st Place BEST Award at Front Range Best Hub
- Grade 11 (2023):
 - 2nd Place BEST Award at Midwest Regionals
 - 1st Place BEST Award at Front Range BEST Hub
- Grade 10 (2022):
 - 4th Place Robot Award at Midwest Regional
 - Robot Modeling Award at Midwest Regional
- Grade 9 (2021):
 - 1st place BEST Award at Front Range BEST Hub

Speech and Debate

- Grade 12 (2025)
 - CHSAA 3A State Tournament - Finalist, 6th Place
 - Rocky Mountain South National Qualifying Tournament - Semifinalist

Other Awards

- AP Scholar With Distinction - College Board (summer 2024)
- Student Design Competition 1st Place - BOLT (summer 2024)

COMMUNITY SERVICE

Tutoring, 2024

- Tutored kids in 8th and 9th grade math, 9th grade biology, and 10th grade chemistry.

BEST Robotics Outreach Activities, 2022-24

- Operated a team-built marketing booth at Local and Regional competitions.
- Recruited for the BEST Robotics team at Middle School Nights and showcases throughout Colorado.
- Collaborated with other Robotics teams, like FRC 4418, to create larger robotics and engineering displays at the Denver Museum of Nature and Science and the Wings Over the Rockies museum (2022-23).
- Connected with local businesses to pursue sponsorships.

Romanian American Freedom Alliance, 2022-24

- Provided technical audio-video assistance and operated the kids' table at the annual fall Belmar fundraiser, Lakewood, CO (2022-24).
- Provided technical audio-video assistance for the spring fundraiser at Douglas County Public Library, Highlands Ranch, CO (2022).
- Provided website design assistance for the Winter Online Art Auction (2024)
- Created and sold baked goods for various fundraisers (2022 - 2024)