

Reese Clews

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EDUCATION

Bergen County Technical High School

Teterboro, NJ | September 2020 – June 2025

National Honors Society ***GPA (unweighted): 3.85*** ***SAT SCORE: 1560*** **AP Capstone Diploma**

Key Courses:

AP Seminar, AP Research, AP Calc AB, AP Calc BC, AP Computer Science Principles, Intermediate Programming, Advanced Programming

Research:

September 2023 – June 2024

Understanding How ChatGPT's Political Bias Impacts Hate Speech and Offensive Language Detection: A Content Analysis

VOLUNTEER EXPERIENCE

Mahwah Environmental Volunteers Organization, Inc (MEVO):

Mahwah, Fresh Roots Farm,

- Performed farm labor for a total of 40 hours

Lovewell Farm, and

- Did seeding, planting, watering, fertilizing, weeding, trimming, and mulching

Ramsey Farmers Market | Spring of 2023 - Fall of 2023

- Stocked and sold products at the Ramsey Farmer's Market for a total of 4 hours Farmer's Market

Private Tutoring:

Wyckoff Public Library | Spring of 2023 - Fall of 2023

- Assisted an elementary school student in various basic math topics for a total of 11 hours

Saddle River Day School STEAM Program Mentor:
River NJ

Saddle River Day School, Saddle

- Invited to mentor elementary students as a student outside of the private school community.

| 2019/2020 School Year

- Provided insight and education for STEAM program participants learning to code in Scratch, chosen for proficiency in the use of and ability to teach the coding language.

SKILLS

- ❖ Highly competent programmer in Python, Javascript, and C++
- ❖ Skilled in web and app development with HTML, SQL, and Flask
- ❖ Experience working with Arduino software, Tinkercad, and Davinci Resolve
- ❖ Passion for game development, using custom C++ engines

- ❖ Loves the outdoors; runs, hikes, and does volunteer farm work routinely
- ❖ Very experienced in backcountry hiking and camping
- ❖ Two year student researcher, with professionally published work pending

EXTRACURRICULAR ACTIVITIES

Overlands Rocky Mountain Expedition:

Colorado / Summer 2023

- Camped and hiked in the Rocky Mountains for several weeks
- Learned survival skills such as how to tent, purify water, and set up a bear bag.
- Learned to communicate as a group through team-building and communication exercises
- Whitewater rafted for two consecutive days, with a riverside camping session in between
- Summited Mt. Elbert (14,439 ft.)

Cross-country:

Bergen County Academies / Fall 2022 and 2023

- 2-3 hour practice sessions that occur every weekday, mixed easy runs and workouts
- 2-3 track meets per month, each involving running a 5k

Track and Field:

Bergen County Academies / Each Winter and Spring season 2022-2024

- 2-3 hour practice sessions that occur every weekday, mixed easy runs and workouts
- 1-2 track meets per month, typically a mile or 800 meter run

Debate Club:

Bergen Tech / Fall 2021 - Winter 2022

- Weekly 1 hour sessions: preparation and training for competitive debates
- Competed in a final 4-hour debate session

Competitive programming

- Code Quest: Two and a half hour coding competition *Moorestown, NJ / February 24, 2023*
- BCTHS Hackathon: Fully day coding competition *Teterboro, NJ / March 23, 2024*

HOBBIES

Game Development and Design:

- Created a pixel water physics simulation using javascript
- Created a particle life simulation with c++, optimized with a high performance spatial partitioning algorithm
- Created a simple C++ game engine using Raylib
- Wrote designs for a variety of unconstructed games

Web Development:

- Programmed a mock bookstore website with secure accounts, a plethora of books to choose from, a robust inventory system, and the ability to check books in and out; made using python, flask, and jinja.
- Developed and designed a school lunch ordering website, complete with a fully

functioning menu, ordering system and history, student accounts, and administrator accounts able to verify student orders and modify the menu using a clean built-in interface. Intended for use by my school to prevent the cafeteria from running out of food for later lunches.