ELIJAH BYOUN

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Professional Interests: Machine Learning, Computer Science, Mathematics

EDUCATION

Rutgers University   New Brunswick, NJ
Computer Science + Math   September 2023 - May 2027
- **Highest Relevant Coursework:** Elementary Differential Equations, Design and Analysis of Computer Algorithms, Linear Optimization

RELEVANT EXPERIENCE

Large Language Model Research Student - REU   December 2024 - May 2025
- Currently studying the potential of large language models to educate ELL learners in underprivileged countries

The Cooper Union Formula SAE Program   June 2022 - August 2022
- Implemented efficient java models to control mechanism to improve vehicle's performance at top speeds
- Studied aerodynamic behavior of rear wings in Formula 1 race cars in order to implement a DRS that would moderate drag
- Collaborated and tested designs to minimize the slowing effects of air resistance during high speed intervals

AWARDS & LEADERSHIP

Captain of the Northern Highlands Fencing Team   November 2022 - February 2023
- Led teammates to place 3rd at states, organized practices and conditioning to improve team's performance during competitions

Rutgers Honors Academy Member   September 2023 - Present
- Placed in the Honors Academy at Rutgers University, New Brunswick

PERSONAL INTERESTS

Part Time Teacher   June 2024 - August 2025
- Mentored young students in STEM and mathematics

Missionary   June 2019
- Participated in missions trips and community service projects

Robotics Competitor   September 2019 - February 2020
- Participated in VEX Robotics competitions and worked with teams to design and problem solve