

ELIJAH BYOUN

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Professional Interests: Machine Learning, Computer Science, Mathematics

EDUCATION

Rutgers University

Computer Science + Math

New Brunswick, NJ

September 2023 - May 2027

- **Highest Relevant Coursework:** Elementary Differential Equations, Design and Analysis of Computer Algorithms, Linear Optimization

RELEVANT EXPERIENCE/PROJECTS

Moody's Scenario Studio Mock API

- Created a mock implementation of Moody's Scenario Studio API, including mocked credentials
- Built for learning, experimentation, API integration, data processing, and visualization skills

Large Language Model Research Student - REU

December 2024 - May 2025

- Studied 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
- 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 - August 2025

- Participated in missions trips and community service projects, playing guitar for praise teams.