

# ELIJAH BYOUN

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Professional Interests: Machine Learning, Computer Science, Mathematics

## EDUCATION

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### 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

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### Moody's Scenario Studio Mock API

- Created a mock implementation of Moody's open source Scenario Studio API, including mocked credentials
- Built for learning, experimentation, API integration, data processing and analytics, and visualization skills
- Displayed strong configuration skills through extensive troubleshooting

### 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
- Showed strong project management and communication skills by distributing tasks to members' suited areas in order to maximize productivity

## AWARDS & LEADERSHIP

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### 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

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### 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.