

Gloria Liu

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🏠 U.S. Citizen

EDUCATION

RUTGERS NEW BRUNSWICK

Presidential Scholar

GPA 3.7 | Expected BS 2024

Mathematics + Computer Science

SKILLS

- Python • Java • R • SQL •
- Mathematica • Autodesk Fusion 360

COURSEWORK

UNDERGRADUATE

Intro. to CS

Data Structures

Linear Algebra

Honors Calculus 3 + 4

Honors Intro Math Reasoning

Linear Optimization

Theory of Probability

STUDENT LIFE

Diversity Peer Educator

- September 2020 - Present
- Writing newsletters and facilitating discussions & workshops on diversity, equity, & inclusion topics

Rutgers Marching Band

- September 2020 - Present
- Piccolo player for Rutgers Marching Scarlet Knights

HC Ally Mentor

- September 2021 - Present
- First-year mentor for freshmen at Rutgers Honors College

Walmart Associate

- October 2019 – March 2020
- Online grocery pickup associate – supported customers who placed online orders

EXPERIENCE

ARESTY INTERN | RUTGERS UNIVERSITY

📅 June 2021 – Present

- Currently analyzing machine learning models (xgboost, random forest) for simulated MRI data
- Presented longitudinal principal component analysis research at online symposium with 100+ attendees

NIH SICKLE CELL DISEASE CHALLENGE | 1st PLACE WINNER

📅 January 2021 – Present

- Worked with a team of graduate & undergraduate students to create an interactive trivia game about Sickle Cell Disease
- Conceptualized the game using Figma platform
- Won first place in the NHLBI Hope for Sickle Cell Disease Challenge
- Writing a draft manuscript on the efficacy of the game on raising Sickle Cell Disease awareness

PEER TUTOR | COMPUTER SCIENCE TUTOR

📅 January 2021 – Present

- Tutoring other Rutgers students 1 on 1 online for Intro. CS course

PYGAME PLATFORMER

📅 July 2020

- Implemented PyGame physics engine leveraging open source

CREATICA HACKATHON (ML)

📅 November 2020

- Inspired by HBO's *Silicon Valley*, designed a CNN to classify hotdogs vs carrots vs bananas

ROGUE ROBOTICS | MECHANICS LEAD

📅 September 2017 – May 2020

- Underwater robotics club that participates in the Marine Tech ROV Competition
- Safety Lead (2017-2019) and Mechanics Lead (2019-2020)
- Achievements: 2nd overall in Pennsylvania regionals, internationals qualified (2018), 2nd technical documentation in Pennsylvania regionals (2019)

PERSONAL LINKS

🔗 [linkedin.com/in/gloria-liu-35a7741b7/](https://www.linkedin.com/in/gloria-liu-35a7741b7/)

🔗 github.com/gliuu