

# Xiaoyu Sun

Email: [xiaoyu.sun@rutgers.edu](mailto:xiaoyu.sun@rutgers.edu)

Github: [github.com/sxy-sun](https://github.com/sxy-sun)

## Education

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**B.S. in Computer Science GPA: 3.82/4.00** September 2018 - Present  
Rutgers, The State University of New Jersey – New Brunswick, New jersey

## Research Experience

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**Rutgers Aresty Research Assistant Program** September 2020 - Present  
*Research Assistant*

- Conducted research on the topic of "Artificial Intelligence for Next-Generation Intelligent Transportation Systems"

**Rutgers Undergraduate Research Journal** September 2019 - September 2020  
*Junior Founder*

- Found the university-wide undergraduate research journal
- Designed a course of peer review in research for new members to familiar with the review process
- Worked with a team of 13 fellow junior founders to form the syllabus for the course we provided
- Reviewed papers in different fields as a reviewer
- Given review reports to authors with suggestions

## Course Projects

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**Rutgers CS440: Introduction to Artificial Intelligence**

- Fast Trajectory Replanning
- Face and Digit Classification

**Rutgers CS444: Deep Learning**

- Placeholder

**Coursera: Machine Learning by Stanford University**

- Placeholder

## Teaching Experience

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**Rutgers University** September 2020 - Present  
*Recitation Instructor, ODAIS*

- Fall 2020 - General Physics II

- Topics include: Electricity, Electric Circuits, Electromagnetism, Optics, Special Relativity, and Radioactivity.
- Recorded recitation video per week explain homework questions.
  - \* Click here: Youtube playlist of all my teaching material
- Held three hours review session weekly for all students who are taking the subject
- Held two hours office hour per week

## Technical Skills

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**Programming:** PyTorch, Python, Java, C, MySQL

**Markup:** LaTeX, Markdown