

Jason Liu

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EDUCATION **Rutgers University**, New Brunswick, NJ September 2023 – Present
Bachelor of Science, Computer Science and Mathematics GPA: 4.0

EXPERIENCE **Research Assistant** June 2022 – Present
Xing Lab of Genomics, Rutgers University New Brunswick, NJ

- Develop novel genome analysis pipelines
- Visualize and summarize results through writing and presentation
- Discuss and communicate ideas in lab meetings
- Develop and maintain lab websites ([Xing Lab](#) and [TIC Genetics Study](#))

Math Tutor August 2023 – June 2024
PALS Learning Center Piscataway, NJ

- Provide personalized lessons to math students (3-12th grade)

PAPERS

Biswas, L., Tyc, K., Aboelenain, M., Sun, S., Dundović, I., Vukušić, K, **Liu, J.**, Guo, V., Xu, M., Scott, R., Tao, X., Tolić, I., Xing, J., Schindler, K. (2024 July) Maternal genetic variants in kinesin motor domains prematurely increase egg aneuploidy, *Science Translational Medicine*. (Under Review). [**Journal**]

Liu, J., Xu, M., Schindler, K., Xing, J. (2023 October) Using PAPER to identify active modules in an aneuploidy dataset. MABC 2023, Philadelphia, PA. [**Conference**]

Liu, J., Sun, S., Xing, J. (2022 October) Predicting embryonic aneuploidy rate and identifying candidate genes in IVF patients using synonymous variants. MABC 2022, Philadelphia, PA. [**Conference**]

TALKS

[**Research in Progress Seminar**] Department of Genetics, Rutgers University (January 2025).

[**Lightning Talk**] Predicting embryonic aneuploidy rate and identifying candidate genes in IVF patients using synonymous variants, MidAtlantic Bioinformatics Conference (October 2022).

AWARDS

The David and Dorothy Bernstein Scholarship for Summer Research
Rutgers University - School of Arts & Sciences (2024).

Trainee Award
MidAtlantic Bioinformatics Conference (2022).

SKILLS

Programming languages: Python, UNIX Shell, R, Java, C++
Presentation and written communication
Project design and management
Languages: Mandarin (fluent).