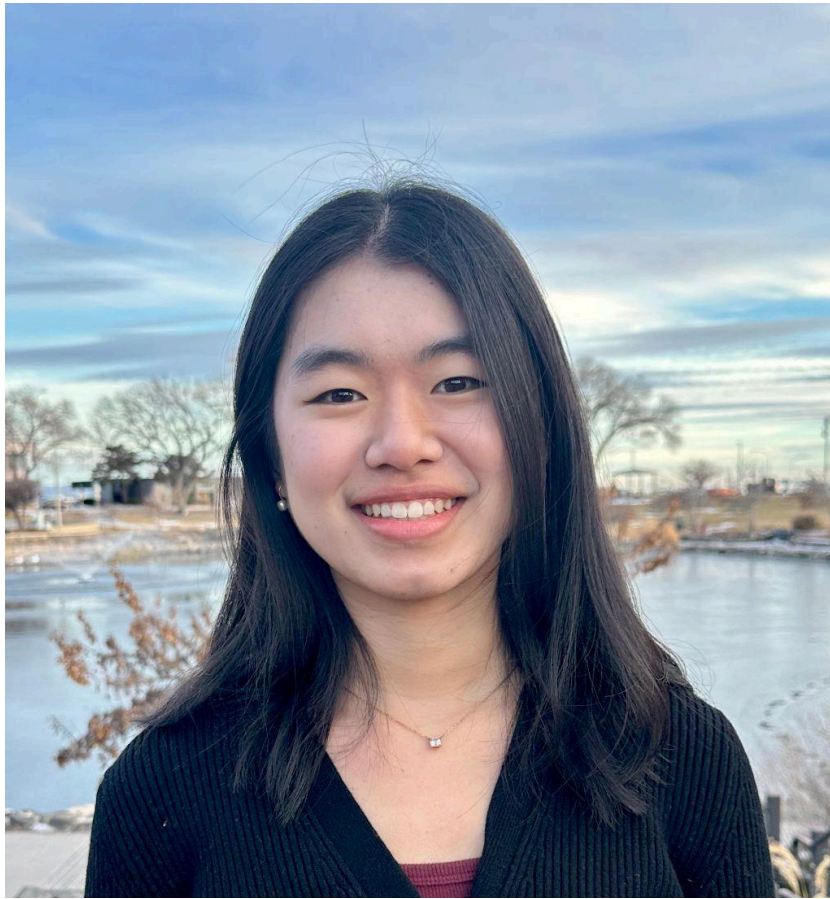


### About Yourself:

1. Your portrait



2.

3. Bio:

Alyssa Sun is a graduating senior from Los Alamos High School. She has interests in artificial intelligence and its use in diagnostic healthcare, inspired by the diagnosis of a friend, her mother, and herself. For her science fair project, she was a 2025 Regeneron International Science and Engineering Fair Finalist in biomedical engineering (the project even included a reading of her own pneumonia chest X-ray!). In her free time, she runs sticker shops on Etsy, selling them online and making personal gifts for friends and family. She plans on studying applied mathematics in college.

### About the Project:

1. List for all the publications you have done as part of this project.
2. The news/highlights (such as C&E News, etc) contributed to this project
3. Description of our unique capabilities and software packages with links:
  - a. High-throughput experiment, the LANL Super Separator (videos, etc)
  - b. High-throughput simulation, pyrron/flux interfacing with ADF, Gaussian, VASP

- c. Architector
- d. ML- models, PADRE, MLTB, GPR models,
- e. Cinema visualizer
- f. Databases for Separation