

David Sun

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Education

University of Oklahoma, Norman, OK

Expected May 2029

Medical Humanities Scholar

Bachelor of Science, Biology: Molecular, Cellular, and Developmental Biology

Minor in Medical Humanities

Overall GPA: **4.00/4.00**

Joseph A. Gregori High School, Modesto, CA

Graduated May 2025

High School Diploma

National Merit Scholarship Finalist; SAT: 1560/1600, PSAT: 1510/1520, 99th Percentile

Research Experience

Stony Brook University: Garcia Summer Research Program | Jul 2024 – Dec 2024

PI: Prof. Miriam Rafailovich | Project Mentor: Adam Hansen

Research Intern

- Selected for a highly competitive national research program.
- Conducted experiments on viral infection of MDCK cells; performed cell culture, immunofluorescence staining and imaging, and cell counting.
- Wrote abstracts and presented findings at professional meetings.

University of California, Merced: Sogin Lab | Summers 2023 & 2024

Research Intern

- Investigated seagrass–microbe interactions in the rhizosphere and metabolic exchanges using *Aiptasia* as a model organism.
- Applied molecular biology techniques including PCR, gel electrophoresis, and animal husbandry.

Publications & Presentations

- Sun, David et al. [“The Ethics of Mandates on Antibiotic Stewardship Programs.”](#) *Journal of Ethics in Scientific and Technological Innovations (JESTI)*, Published 2024.
- [“Effects of Titanium Dioxide Nanoparticles on UV-Exposed Human Dermal Fibroblasts.”](#) Presented at the *Materials Research Society Fall Meeting*, December 2024.
- [“The Molecular Basis for Non-Thrombogenic Clots Following Viral Infection”](#) Presented at the *Materials Research Society Spring Meeting*, April 2025.

Awards and Extracurricular Activities

- **OU Asian American Student Association (2025 -)**: First-Year Representative
- **British Biology Olympiad (2024)**: Bronze Medal
- **USA Biology Olympiad (2024)**: Open Exam Certificate of Merit
- **AP Scholar with Distinction (2024)**
- **Gregori HOSA Chapter (2023-2025)**: Founder and President
- **Gregori FBLA Chapter (2021-2025)**: Vice President and Head of Projects
- **Varsity Tennis (2021-2025)**: Member
- **Music (2021-2025)**: Clarinetist and Saxophonist
- **Modesto City Schools Local Control and Accountability Plan Committee (2023-2025)**: Representative
- **Stanislaus County Office of Education Leadership Academy (2023-2024)**: Participant
- **Doctors Medical Center Modesto (2022-2025)**: Volunteer, Crew Leader
- **Annual Chinese New Year Festival in Modesto (2021-2025)**: Volunteer