

EDUCATION

Basis Independent Silicon Valley, San Jose, CA

GPA 3.97/4.0 (UW), 4.85/4.0 (W)

AP Scholar with Distinction:

- Physics 1 (4), Physics 2 (4), US Government (5), US History (5), Computer Science A (5), English Language (4), Calculus AB (5), Statistics (5), Psychology (5), Literature and Composition (5), Calculus BC (5), Biology (5), World History (5), Macroeconomics (5), Microeconomics (5), Chinese Language (5), Environmental Science (4)

Standardized Test Scores

SAT - 1550 (June 2025)

PSAT - 1500 (Oct. 2025)

RESEARCH

Dr. Sanchita Bhatnagar, UC Davis School of Medicine, Aug 2025 - July 2026

Subject: 1) What role does the amplification or mutation of the regulatory gene SETDB1 play in patient outcomes and prognosis regarding breast cancer? 2) Does SETDB1 act as a primary driver of breast cancer or does it instead amplify pre-existing driver effects?

PAPER PUBLISHED (Page 213):

https://www.curieuxreview.com/files/ugd/60ed3c_a3da999bd3604b01b0d1786152f47447.pdf

Dr. Shujie Yang, University of Iowa Carver College of Medicine, June - August 2025

Subject: Role of gene SETDB1 within the progression of Endometrial Cancer, experiments done on the progression of SETDB1 in Endometrial Cancer in relationship to the body immune environment and progression of SETDB1 in Endometrial Cancer in relationship to obese and lean mice models

Produced Poster, Nico Gong:

<https://belinblank.education.uiowa.edu/students/sstp/doc/SSTP-Posters-2025.pdf>

Dr. Sanchita Bhatnagar, UC Davis School of Medicine, June - Dec. 2024

Subject: Bacillus Thuringiensis Parasporin Proteins' efficacy in treating cancers

Produced paper: Bacillus Thuringiensis Cry Proteins: A Review of Anti-Tumor Potential and Clinical Applicability

PAPER PUBLISHED (Page 196):

https://www.curieuxreview.com/files/ugd/60ed3c_a3da999bd3604b01b0d1786152f47447.pdf

Dr. Lee Lawton, BLI Bentley University, June 2024

Subject: Relationship between the human gut microbiome and GI (Gastrointestinal) cancers & The Microbiome's effects on chemotherapies and progression of Gastrointestinal Cancers

EXTRACURRICULAR ACTIVITIES

Co-Founder of Youth Civic Engagement Initiative (YCEI), July 2023 - Present

- Co-founded nonprofit with mission of connecting youth to local and national leadership, allowing them to ask questions, explore community issues, and educate them about the political system.

- Led a fundraiser for remote farming communities to fund an express bus to increase access to healthcare, food, and transportation.
- Connected YCEI members to food pantries and summer camp volunteering opportunities to help support disenfranchised farming communities.
- Website Link: <https://www.youthcei.org/>

High-Level Week 14th International Youth Conference Panelist, United Nations General Assembly

Speaker Date: September 2026, Project Timeline: 2025 - Present

- Pursued Care Pathways project examining the wellbeing of people with special needs.
- Interviewed over 20+ families of children with special needs to gather information and insight on living conditions, as well as the families' priorities and concerns.
- Produced a resource portal that consolidated global regional centers and concrete hiring partners to connect people with special needs with education, job opportunities, and housing openings.
- Offered live help with essays, interview skills, and resume crafting.
- Expanded globally as a network after discussing with delegates from countries like Nigeria, Senegal, Ghana, etc.
- Project Link: <https://www.carepathways.us>

Varsity Football, Team Captain, August 2025 - Present

- Co-founded first-ever 8-men tackle football team. Positions: Center, Middle Linebacker, Edge Rusher.
- Served as personal Strength Coach pre-season and post-season, as well as Assistant Coach for middle school flag football.

Boys Varsity Volleyball, Middle Blocker, April 2024 - Present

- 2025: finished 16-4 overall and 13-1 in the league, earning the title of PSAL Co-Champions.

Student Ambassador, Student Council, August 2024 - 2026

- As Logistics Officer, recorded notes during meetings that were held twice a week.
- Helped organize events and manage committees in the Student Council, as part of the Ambassador Committee and Events Committee.
- Organized student shadow events to introduce new students to BASIS and served as front desk representative at school open house.

Writer, Children's Oncology Book

- Authored and illustrated a children's book centered on an analogy for leukemia, using graphics, and metaphors to help convey the reality of cancer in an approachable way.

VOLUNTEERING

ALAS Summer Camp & Food Pantry Volunteering, July 2026 - August 2026

- Led YCEI members to volunteer at food pantries and educational summer camp programs.
- Volunteered for over hundred hours of service.

Friends of Children with Special Needs (FCSN), Lead Teacher, April 2023 - Present

- Worked with groups of 8 - 9 students (with a total of 40 students) aged 14 - 18.
- Ran basketball program, singing and dancing exercises, social activities, and cooking classes.

Kaiser Permanente HOPE Cancer Survivor Day, Volunteer, DIY Booth 2023, 2024

- Led demos DIYing special products for cancer prevention (skincare lotions, lip balms, etc.)

SUMMER PROGRAMS

Doctor Shadowing, May 2026 - July 2026

- Shadowed Neurosurgeons, Orthopedic surgeons, Urologists, and Oncologist Surgeons at Peking Union Hospital.
- Observed a variety of surgical techniques and made rounds with doctors across patient wards.

Iowa SSTP, June 18 - July 25, 2025

- 6 weeks of Oncology research with Professor Shujie Yang
- Awarded \$3,000 scholarship

MISA - Medical Immersion Scholar Academy, June 2025

- Certifications in CPR, First Aid, Stop the Bleed, Teen Mental Health First Aid, and Bloodborne Pathogens.
- Received comprehensive hands-on clinical training on suturing, EKG interpretation, splinting, patient vitals, phlebotomy, and bedside manner.

Boston Leadership Institute (BLI), Summer 2024

- 3 weeks of Oncology research with Professor Lee Lawton
- Researched the microbiome's effects on chemotherapies and progression of gastrointestinal cancers

Coursera - Cancer Biology Specialization Certification Summer 2025

- Courses: Introduction to the Biology of Cancer, Understanding Cancer Metastasis, and Understanding Prostate Cancer

HONORS / AWARDS

- **British Biology Olympiad (BBO)**: Bronze (1st Challenge, 2023), Silver (Intermediate Challenge, 2024), BBO Silver 2024, BBO Gold 2025
- **USABO**, Honorable Mention 2024 & 2025
- **GGSF**, Golden Gate Stem Fair 1st place winner 2026
- **National Merit** Semifinalist 2026
- **President's Volunteer Service Award**, Gold
- **United Nations General Assembly Youth delegate panelist** 2026