

Elyse Katolin

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Education

California Polytechnic State University - Freshman

- Pursuing Bachelor of Science in Computer Engineering
- Expected Graduation: Spring 2030

High School Diploma

Crofton High School - 2291 Davidsonville Rd, Gambrills, MD 21054

- GPA: 4.0 Unweighted, 4.6 Weighted

Honors and Awards

National Merit Scholar Semifinalist

- Selected as a Semifinalist by the National Merit Scholarship Corporation for a PSAT score in the top 1% of my state
- Qualified for National Merit with a perfect PSAT score of 1520

AP Scholar With Distinction Award

- Awarded for receiving scores of 5 or higher on at least 3 AP exams and an average score of 3.5 or higher on all AP exams taken

Activities

Girls Who Code | Grades 11-12

- Serve as president of my school's Girls Who Code Club
- Helped start the Girls Who Code club at my school
- Planned outreach and collaborated with others to create meeting plans

Women In STEM | Grades 10-12

- Started a computer science tutoring program at my school
- Helped plan and teach projects to introduce STEM concepts to preschoolers
- Volunteered at a school elective fair promoting Women in STEM and advocating for participation in STEM-related courses
- Elected president of WiSTEM at the end of my junior year

Robotics Team | Grades 11-12

- Served as electrical team lead
- Learned the basics of power, electricity distribution and wire management through hands on experience
- Taught many new club members electrical engineering and planning

National Math Honor Society | Grades 11-12

- Serve as president of my school's National Math Honor Society
- Organized the creation of a math tutoring program

- Led meetings and math competitions
- Contributed to a 2nd place team win in our county
- Won 3rd Place Individual and Most Improved Individual out of hundreds of public and private school students

National Honor Societies | Grades 10-12

- National Honor Society (Active member - Grades 11-12)
- National Social Studies Honor Society (Active member - Grades 11-12)

Academic Enrichments

Girls Who Code Self-Paced Program-Summer 2024

- Learned skills in coding various languages, including HTML, CSS, JavaScript, and Python
- Learned about cybersecurity and its effects on everyday life
- Completed numerous projects, such as a personality quiz, chatbot, and website to practice my skills

Women In Engineering Change the World Camp-July 2024

- Attended an on-campus weeklong enrichment program at the University of Maryland
- Participated in hands-on experiments to gain insight into engineering careers
- Collaborated to design and prototype an invention

Harvard's CS50P - June-August 2023

- Completed Harvard's online class teaching the fundamentals of Python programming
- Completed challenging problem sets and a final project to practice and display my application of new coding concepts

Work Experience

Mathnasium - Crofton, MD

Instructor - November 2025 - June 2026

- Followed Mathnasium Curriculum for students in preschool up to College Algebra and SAT prep
- Presented and explained concepts in creative ways to facilitate deeper understanding of mathematics
- Problem-solved to help students understand material
- Ensured students remained focused and non-disruptive during their session

Chill Axes - Crofton, MD

Senior Customer Service August 2023- January 2026

- Helped to delegate tasks to ensure efficiency and customer satisfaction
- Instructed customers on how to throw axes and monitored them to ensure safety

Community Service

Library Volunteer | Summer 2024 - 2025

- Helped to promote my local library's summer reading program
- Assisted in running storytime and activities for toddlers and children
- Planned and led a STEM project for elementary-aged students with over 60 participants
- Earned over 50 service hour

Skills

- Coding - proficient in Java and Python, some experience in HTML/CSS and C ++
- Proficient in Google Suites products