

Lauren Lee

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EDUCATION

UC San Diego	San Diego, CA
<i>Data Science</i>	Sep. 2025 – Present
Westview High School	San Diego, CA
	Aug 2021 – June 2025

EXPERIENCE

Pathology Lab Assistant	June 2025 – Sep 2025
<i>Pacific Rim Pathology Medical Group</i>	<i>San Diego, CA</i>
<ul style="list-style-type: none">Accessioned patient samples (Pap tests, bodily fluids, etc.) for HPV, Chlamydia Trachomatis (CT) / Neisseria Gonorrhoeae (NG), and Trichomoniasis testsPrepared stained, and processed cytology slides for microscopic evaluation	
Research Intern	June 2024 – Oct 2024
<i>Trutino Biosciences</i>	<i>San Diego, CA</i>
<ul style="list-style-type: none">Compiled, cleaned, and visualized pre-clinical, toxicity data for an immunotherapy lead molecule that was approved for a Phase 1 Clinical TrialUsed Excel and GraphPad Prism to organize and analyze clinical chemistry, ELISA, and flow cytometry data	
Research Experience for High School Students (REHS)	June 2024 – Aug 2024
<i>UC San Diego</i>	<i>San Diego, CA</i>
<ul style="list-style-type: none">Worked with a UCSD mentor to create a research project, conduct computational experiments, and present a poster at the REHS Poster Showcase 2024Trained and tested a machine learning model using WEKA (Waikato Environment for Knowledge Analysis) with 92.4% accuracyPoster: Improving Cancer Patients' Outcomes Using PD-1 / PD-L1 miRNAs and Machine Learning	
Math, Chemistry, and English Tutor	Aug 2023 – June 2025
<i>Private</i>	<i>San Diego, CA</i>
<ul style="list-style-type: none">Exceled in Math, Chemistry, and English, earning a teacher's recommendation to tutorIntegrated Mathematics I, II, and III; Chemistry 1-2, English 1-2	

PROJECTS

AI Math Tutor <i>Python, Flask, REST API, HTML</i>	May 2025 – June 2025
<ul style="list-style-type: none">Built an interactive AI tutoring tool showcasing practical applications of genAI in educationDeveloped a Flask web application integrating an API (following RESTful principles) to generate step-by-step math solutions and practice quizzesImplemented HTML code, route-driven navigation, session storage	

RELEVANT COURSEWORK

Advanced Python Programming, Principles of Data Science (DSC 10), Multivariable Calculus, AP Statistics

SKILLS

Languages: Python, HTML
Libraries: pandas, NumPy, Matplotlib
Soft Skills: Organization, Communication, Problem-Solving, Teamwork, Adaptability