

Tiancheng Shao

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EDUCATION

University of California, Los Angeles , Los Angeles, CA	Sep 2025–Expected Jun 2029
Candidate for Bachelor of Arts, Business Economics & Bachelor of Science, Statistics & Data Science	GPA: 3.88
Relevant Coursework: Microeconomic Theory, Principles of Accounting	
Montgomery Blair High School , Silver Spring, MD	Aug 2021–June 2025
Science, Mathematics, Computer Science Magnet Program	GPA: 4.9
SAT score: 1580; Reading & writing: 790 Math: 790	
Relevant Coursework: AP Macro & Micro(5), AP Statistics (5), Analysis of Algorithms, Algorithms and Data Structures	

EXPERIENCE

BDO x Net Impact Case Competition – 1st Place (37 teams)	Nov 2025
<ul style="list-style-type: none">Solved a multi-constraint EV supply chain problem involving battery shortages, ESG targets, and customer attrition.Built structured analyses for supplier diversification, risk management (COSO ERM), and communication strategy.Synthesized & presented insights into an executive recommendation to BDO judges; placed 1st out of 37 teams.	
NASA Goddard Space Flight Center <i>Research Intern</i> , Greenbelt, Maryland	Jun 2024–Aug 2024
<ul style="list-style-type: none">Analyzed May 2024 solar storm data using ML models to assess satellite communication risk; findings informed risk awareness for infrastructure serving rural regionsPresented findings to a global audience of 25,000+ researchers and policymakers at AGU 2024.	
Coop. Institute for Satellite Earth System Studies <i>Research Intern</i> , College Park, Maryland	Jun 2023–Aug 2023
<ul style="list-style-type: none">Built TensorFlow U-NET model for satellite image segmentation to track Iceberg A73.Automated iceberg size, rotation, and location metrics over 700+ Kilometers, quantifying size and melt rate.Presented findings at the 2024 American Meteorological Society (AMS) Meeting.	
Department of Astronomy University of Maryland <i>Research Intern</i> , College Park, Maryland	Jul 2022–Nov 2022
<ul style="list-style-type: none">Developed and trained LSTM models predicting Disturbance Storm Time (Dst) indices by integrating WIND satellite and ground observatory data in a dataset with over 2.6 million datapointsAchieved 98% accuracy in predicting storm intensity 8 hours in advance, vital for communication and power grids.	
EcoMoco Student Organization <i>Executive Board Member</i> , Rockville Maryland	Aug 2024–Jun 2025
<ul style="list-style-type: none">Led technical team on website redevelopment for ecomoco.com, a student-led organization with 217 members.Coordinated cross-functional board to execute 100+ initiatives impacting 10,000+ community members.	
Math Team <i>Team Leader</i> , Silver Spring Maryland	Aug 2023–Jun 2025
<ul style="list-style-type: none">Led 9 team members overhaul meeting structures focusing on interactivity, improving meeting attendance by 50%.Researched, wrote, and presented weekly lectures to over 100+ members of Math Team.	

PROJECTS

DECA VBC Competitor	Jan 2024–Feb 2024
<ul style="list-style-type: none">Built an automated advertising budget system using PyAutoGUI, PIL, and OpenCV. Optimized audience targeting from simulated poll data with Excel.	
tanchan.xyz Personal Website	Jul 2024–Oct 2025
<ul style="list-style-type: none">Designed & scaled portfolio and web games using React, Tailwind, and Next.js. 1.8k+ unique visitors per month.	

AWARDS + HONORS

International Finalist for Accounting Applications (DECA ICDC, Top 10 of over 150 qualifiers)	2024, 2025
ExploraVision Semifinalist (Toshiba/NSTA STEM Competition, 100 out of 1000)	2024
Non-Trivial Fellowship Finalist (National Research Fellowship Program, 500/10000)	2024

SKILLS

Technical: Excel(advanced), Python, R, SQL, Statistical Analysis, Optimization, PowerPoint, Tensorflow
Interests: Making websites, playing guitar, working out