

Tiancheng Shao

Potomac, MD 20854 | +1 (571) 789-5324 | tanchan@ucla.edu

EDUCATION

University of California, Los Angeles , Los Angeles, CA	<i>Sep 2025-Expected Jun 2029</i>
<i>Candidate for Bachelor of Science, Business Economics</i>	
Relevant Coursework: Microeconomic Theory, Principles of Accounting	
Montgomery Blair High School , Silver Spring, MD	<i>Aug 2021-June 2025</i>
Science, Mathematics, Computer Science Magnet Program	GPA: 4.9
SAT score: 1580; Writing: 390 Math: 790 Critical Reading: 400	
Relevant Coursework: AP Macroeconomics (5), AP Microeconomics (5), AP Statistics (5), Analysis of Algorithms, Algorithms and Data Structures,	

EXPERIENCE

NASA Goddard Space Flight Center <i>Research Intern</i> , Greenbelt, Maryland	<i>Jun 2024-Aug 2024</i>
<ul style="list-style-type: none">Led independent analysis of May 2024 solar storm, using Linear Regression and LSTM Artificial Intelligence models to predict proton and electron flux.Presented results to peers and senior scientists at the 2024 American Geophysical Union (AGU) meeting. Shared research with 25,000+ global attendees.	
CISESS at University of Maryland <i>Research Intern</i> , College Park, Maryland	<i>Jun 2023-Aug 2023</i>
<ul style="list-style-type: none">Built TensorFlow U-NET model for satellite image segmentation to track Iceberg A73 over 700+ KilometersAutomated iceberg size, rotation, and location metrics using OpenCV computer vision.Presented findings at the 2024 American Meteorological Society (AMS) Meeting.	
Department of Astronomy University of Maryland <i>Research Intern</i> , College Park, Maryland	<i>Jun 2023-Aug 2023</i>
<ul style="list-style-type: none">Developed LSTM models predicting Disturbance Storm Time (Dst) indices by integrating WIND satellite and ground observatory data.Predicted Storm Intensity within 98% accuracy with 8-hour advance warning.	

Projects

DECA VBC Competitor	<i>Oct 2024-Present</i>
<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.	

AWARDS + HONORS

International Finalist for Accounting Applications (DECA ICDC)	<i>2024, 2025</i>
ExploraVision Semifinalist (Toshiba/NSTA STEM Competition)	<i>2024</i>
Non-Trivial Fellowship Finalist (National Research Fellowship Program)	<i>2024</i>

SKILLS

Technical: Microsoft 365, Python, R, Java, SQL, PowerShell,
Interests: Making websites, Playing guitar