CASEY TRAINA

Stanford CS c/o 2026

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ABOUT ME

B.S. Candidate at Stanford University with a demonstrated history of software programming and entrepreneurship. **Skilled and experienced in C++, Python, JavaScript, Swift, React Native, HTML, and CSS.** I currently plan on majoring in Computer Science with a focus in Artificial Intelligence and a minor in Physics, while pursuing a coterminal master's degree in Management Science & Engineering.

EDUCATION and EXPERIENCE

References upon request

STANFORD UNIVERSITY, *B.S. Candidate c/o 2026*

Pursuing a degree in Computer Science on the A.I. pathway

Relevant Courses to be completed year 1: Math 51, CS 106B, CS 107, CS103, ENGR 40M, CS109

GERMANTOWN ACADEMY, *4.92 GPA (Finished top 5 in class)*

35/36 ACT + National Merit PSAT Commended Student
Cum Laude Society — Highest academic achievement at GA
2021-22 Student Body President, 2020-21 Student Body Vice President
Art Award, Latin Award, Jefferson Book Award, Nahill Memorial Medal, High Honors (9-12th)

STANFORD UNIVERSITY, *MS&E Research Assistant*

Working alongside Professor Jose Blanchet and PhD students Xuhui Zhang and Sirui Lin throughout Fall Quarter on problems relating to extreme statistics, particularly those with applications toward risk pricing in climate and weather events

PURESTREAM AIR, *Founder*

First completed a 12-week course covering e-commerce entrepreneurialism. Launched an Amazon-based E-commerce company specializing in personal HVAC devices. Debuted in August 2021 and charted over $15000 revenue in the first 3 months, selling over 600 units.

CONVERSATIONAL A.I. RESEARCH, *Computer Science*

Developed software to automate text message responses which utilized several RNN models to generate unique statements based on several factors such as emotion, intent, and recipient.

COMPUTER SCIENCE SUMMER INSTITUTE PARTICIPANT, *Google 2022*

Participated in a 4-week intensive computer science summer program for high-achieving students

Completed an introductory project-based HTML/CSS/JavaScript curriculum taught by Google engineers and completed 20 individual projects utilizing variables, data types, & functions
Attended product design, resume development, and software engineering interview workshops

SENIOR PROJECT, *Computer Science*

Worked with ~20 Bay Area homeless shelters to create an app, Food Finder, which allows underprivileged people to find free and discounted food, shelter, and education in their area free of charge

MONTGOMERY COUNTY COMMUNITY COLLEGE, *Online 2021*

Took two 6-week courses in Geometric Calculus 1 and 2 over the summer of 2021.

Relevant Courses:

I.   **Math 51:** Linear Algebra, Multivariable Calculus, and Modern Applications —Autumn 2022
II.   **CS 106B:** Programming Abstractions — Autumn 2022
III.   **ENGR 145:** Technology Entrepreneurship —Autumn 2022
IV.   **CS 107:** Computer Organization and Systems —Winter 2022
V.   **CS 103:** Mathematical Foundations of Computing — Winter 2022
VI.   **ENGR 40M:** Intro to Making: What is EE? — Spring 2023
VII.   **CS 109:** Intro to Probability for Computer Scientists — Spring 2023