Alexander Feng

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US Citizen

Education

2024–2028	**Georgia Institute of Technology**, Atlanta, GA
	B.S. in Electrical Engineering, Minor in Quantum Sciences and Technology, GPA: N/A
2021-2024	**Dual Enrollment**
	Empire State University, Saratoga Springs, NY, GPA: 4.00
	West Valley College, Saratoga, CA, GPA: 3.81
	De Anza College, Cupertino, CA, GPA: 4.00
	Foothill College, Los Altos Hills, CA, GPA: 4.00
2020–2024	**Homestead High School**, Cupertino, CA
	Valedictorian, National Merit Finalist, AP Scholar with Distinction, Unweighted GPA: 4.00

Skills

Software	Python, MATLAB, Linux (Ubuntu), GitHub, LaTeX, SystemVerilog, Synopsys, Altium
Hardware	Analog Discovery 3, Raspberry Pi

Projects

2024	**CalHacks 11: Resilink**, *devpost.com/software/resilink*
	Node based communication network independent of celluar. Won "Best Impact" and Skylo Track.
2024	**HackGT 11: Visual Computation**, *devpost.com/software/visualcomputation*
	Python program that analyzes images of equations using pix2tex and Wolfram API.
2023-Present	**Personal Website**, *alexander-feng.github.io*
	Math/physics notes in LaTeX; 6 courses up to Abstract Algebra and Quantum Mechanics.

Relevant Coursework

Completed	MATLAB, Python, Abstract Algebra I, Discrete Math, Differential Equations, Linear Algebra, Multivariable Calculus
In-progress	Quantum Mechanics I, Digital Systems Design, Circuit Analysis

Experience

Engineering

2024-Present	**SiliconJackets**, *Verification and Emulation*
	Wrote SystemVerilog testbenches to verify RTL modules for our RISC-V CPU by testing edge cases and randomly generated test vectors. Reviewed test plans for other modules.
2024-Present	**Hytech Racing**, *Low Voltage Subteam Member*

Teaching

2023-2024	**Schoolhouse**, *SAT Math Tutor*
	Led 3 multi-session SAT prep series (7-9 students per series); Received Bronze Level service award.

Awards

2024	**USA Physics Olympiad (USAPhO): Honorable Mention**
	Scored in the top ~250 (out of the 500 students invited based on qualifying exam score) on the 2024 USAPhO, which included EM-Radiation, AC Circuit Analysis, and Frequency Filters.