

Rohan Hejmadi

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EDUCATION

University of Illinois Urbana-Champaign

Bachelor of Science in Aerospace Engineering (exploring transfer to Math & CS)

May 2028

GPA: 4.0/4.0

Dulles High School

Math and Science Academy

May 2024

GPA: 4.45/4.0

2024 – 2028 Westlake Dependent Scholarship Award

RELEVANT COURSEWORK

- Computer-Aided Design (CAD), Calculus (I, II, III), Differential Equations, Linear Algebra, Discrete Structures, Statistics, Physics (Mechanics, E&M, Thermal, Quantum), Chemistry (I, II)

SKILLS

- CAD (Siemens NX, KiCad), Cybersecurity/Capture the Flag (CTF) (Web Hacking — DevTools, SQL Injections, Cross-Site Scripting (XSS); Reverse Engineering; Open-Source Intelligence; Binary Exploitation; Cryptography), Competitive Mathematics, Python, Java, C++, Windows/Linux CLI

WORK EXPERIENCE

University of Illinois | *CS 101 Course Assistant*

Champaign, IL | Feb. 2025 – Aug. 2025

- Assisted 35 students during weekly 2-hour Python labs by walking them through exercises, answering questions, and helping debug code
- Led quiz review sessions for up to 50 students, guiding them through practice problems and clarifying syntax and conceptual questions
- Reviewed and tested nearly 500 homework problems, identifying and reporting broken code, typos, and other issues

LEADERSHIP & INVOLVEMENT

SIGPwny | *Capture the Flag (CTF) Team*

Urbana, IL | Aug. 2025 – Present

- Attend cybersecurity and ethical hacking seminars, covering topics such as web hacking, reverse engineering, binary exploitation, and cryptography
- Currently ranked in the Top 10 on SIGPwny's CTF leaderboard, with over 60 solved challenges
- Placed 11th in Fall CTF 2025 Advanced Division, with over 50 completed challenges

Illini Solar Car | *Power Distribution System (PDS) Team*

Urbana, IL | Aug. 2025 – Present

- Design and model PCBs in KiCad based on provided specifications
- Learned how to solder and desolder through hands-on training with practice boards
- Characterize batteries by measuring their voltage, current, and capacity under controlled conditions to verify consistency and quality

Mu Alpha Theta | *Vice President*

Sugar Land, TX | Sep. 2020 – May 2024

- Spearheaded the organization and hosting of the school's first-ever math competition, attracting nearly 200 participants and raising \$2,500+ to support club initiatives
- Designed and implemented interactive math activities and team-based games for 100+ members, enhancing engagement and peer collaboration
- Worked with 9 fellow officers and 2 faculty sponsors to coordinate events, fostering a fun, educational, and inclusive club environment

AWARDS

- 2024 U.S. Presidential Scholar Candidate, 2024 UIL Individual Biology and Team Science Gold Medalist, 2024 UIL Individual Science Bronze Medalist, Distinguished Honorable Mention for Algebra at 2024 Stanford Math Tournament, 3x UIL Team Number Sense Silver Medalist (2023 and 2024), 2x University of Houston Math Contest Award Winner (Precalculus - 2023 and Calculation - 2024), 2022 American Invitational Mathematics Examination Qualifier (top 2.5% in the nation), 2x Grainger Dean's List