

Finn Woods

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EDUCATION

Cornell University College of Engineering GPA: 4.14	August 2024 - Present
Taylor Allderdice High School GPA: 4.00 (weighted 4.7) Valedictorian	August 2020 - June 2024
Johns Hopkins Center for Talented Youth Linear algebra (grade: A)	September 2023 - June 2024

WORK EXPERIENCE

Climbing Routesetter Designing, creating, and testing new climbs at university climbing gym every week. Setting for boulders and ropes.	August 2025 - Present
Cornell Outdoor Odyssey Guide Guided a 6 day backpacking and rock climbing wilderness orientation course for incoming freshmen. Classes and training sessions for leadership, outdoor skills, trip planning, and community. Wilderness first responder training.	Summer 2025 - Present
Climbing Coach Taught children and adults how to develop critical problem-solving skills while climbing. Led warmups, drills, exercises, and workouts. Created lesson plans and 6 week training plans. Ensured safety of all climbers involved.	June 2023 - June 2024
Climbing Volunteer Taught kids climbing techniques and created activities for an intermediate rock climbing team and summer camps.	Summer 2022 - Summer 2023

EXTRACURRICULAR ACTIVITIES

Cornell University Air (Project Team) Designed and built a package delivery system for an electric autonomous plane using magnetic induction braking, changing radius spool, and heating element cutting system. Also designed an easily accessible battery box including center including gravity balancing.	February 2025 - present
Rock Climbing Club Club founder and president. Introduced over 50 people to weekly climbing lessons and negotiated a 1/6 price for students. Procured principal approval, found faculty sponsors, recruited, and taught students.	February 2023 - June 2024
Air Pollution Research Collected and analyzed 167,000 data points on air quality particulates. Identified 8 air quality related intra-school variables. Wrote research paper and created a plan to improve air quality within schools and presented results.	August 2023 - June 2024
National Outdoor Leadership School Gained outdoor leadership skills. Planned logistics and itinerary for climbing expedition. Designated roles to members of expedition and set up climbing routes.	Summer 2024

KEY SKILLS

Leadership: Was president or equivalent for rock climbing club, math league, and mock trial. Hosted a Dungeons and Dragons campaign for 9 years. Learned leadership skills from the National Outdoor Leadership School. Leadership training classes from outdoor odyssey guides including soft skills, DEI, and outdoor overnight training .	
Coding: Basic python skills - iteration, functions, arrays, strings, recursion, object-oriented programming, algorithms, data handling, visualization, randomness, and simulations. Worked with NumPy, pandas, Matplotlib	
CAD: CAD and related skills on the CUAir project team like SolidWorks, ANSYS, and 3D printing.	
Research Experience: Conducted research regarding air quality within schools, mass incarceration, climate change and industries, and the fossil fuel misinformation campaign. Designed research experiments, collected large sets of quantitative data, analyzed large data sets, conducted various statistical tests, presented research.	
Other Skills: communication, problem solving, teamwork, and risk assessment.	