

# 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

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## WORK EXPERIENCE

**Climbing Routesetter**

August 2025 - Present

Designing, creating, and testing new climbs at university climbing gym every week. Setting for boulders and ropes.

**Cornell Outdoor Odyssey Guide**

Summer 2025 - Present

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.

**Climbing Coach**

June 2023 - June 2024

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.

**Climbing Volunteer**

Summer 2022 - Summer 2023

Taught kids climbing techniques and created activities for an intermediate rock climbing team and summer camps.

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## EXTRACURRICULAR ACTIVITIES

**Cornell University Air (Project Team)**

February 2025 - present

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.

**Rock Climbing Club**

February 2023 - June 2024

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.

**Air Pollution Research**

August 2023 - June 2024

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.

**National Outdoor Leadership School**

Summer 2024

Gained outdoor leadership skills. Planned logistics and itinerary for climbing expedition. Designated roles to members of expedition and set up climbing routes.

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## 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.