

# Parker Ashworth

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## EDUCATION

**Cornell University, College of Engineering, Ithaca, NY**

Expected Graduation: **May 2027**

Bachelor of Science in Mechanical Engineering • Minor in Aerospace Engineering

Current GPA: 3.5

## COURSEWORK

System Dynamics • Fluid Mechanics • Mechanics of Engineering Materials • Dynamics • Mechanical Design • Statics & Mechanics of Solids • Thermodynamics • Oscillations, Waves & Quantum • Physics E&M • Linear Algebra • Differential Equations • Multivariable Calculus • Chemistry • Operations Engineering • Programming

## EXPERIENCES

### Product Design Project

**Jan–May 2025**

*Team Member*

Ithaca, NY

- Worked on a four-person team to create a novel device to help people organize their work materials
- Iteratively designed and modeled mechanisms and final product in Autodesk Fusion 360
- Fabricated the device via 3D printing and laser-cut acrylic and presented the final product to an audience

### Chipotle Mexican Grill

**May–August 2024**

*Team member*

Canandaigua, NY

- Prepared food to be served for the day while adhering to food safety guidelines
- Provided friendly customer service while making customers' orders and working the register
- Handled customer transactions with accuracy and efficiency
- Maintained a clean and organized work environment

### FIRST Tech Challenge Robotics Team 3003

**August 2018–May 2023**

*Engineer*

Canandaigua, NY

- Designed and built a robot to compete in the New York FIRST Tech Challenge State Championship
- Created CAD designs for 3D printing custom parts and outreach materials as well as modeling designs of robots
- Led both community and school-wide outreach to promote robotics and inspire the next generation of students
- Managed various subteams including mechanical, software, business, CAD, and led meetings between subteams

## ACTIVITIES

### Buds Ultimate Frisbee Club, Cornell University

**August 2023–Present**

*Member*

Ithaca, NY

- Played for the top men's ultimate frisbee team at Cornell to compete in many tournaments across the country
- Gained a high level of concentration, work ethic, discipline, and perseverance to meet personal and team goals
- Balanced full academic course load with competition, practices, training sessions, meetings, travel and film study
- Planned workouts and training sessions to build strength, athleticism and technique to improve performance

### Cornell Outdoor Odyssey, Cornell University

**August 2023–Present**

*Guide*

Ithaca, NY

- Guided a trip of eight freshmen on a six-day backpacking trip through the low peaks of the Adirondack Mountains
- Planned food, safety and first aid as well as route and supplies to ensure the safety of everyone on the trip
- Led games and activities while engaging incoming freshmen and fostering an inclusive environment for all students
- Taught various wilderness skills relevant to backpacking, climbing and trekking through hands-on instruction

## SKILLS & INTERESTS

Skills: Autodesk: Inventor, Fusion 360, AutoCAD; Design Review, DWG TrueView; Coding: MATLAB, Python; 3D Printing; Laser Cutting; Machine Shop Trained: Blue, Red, and Yellow Aprons; Excel; Canva; CapCut; First Aid; CPR; Spanish (Limited Working Proficiency)

Interests: Aerospace, Energy, Drones, Robotics, Tech, Running, Frisbee, Cycling, Reading, Music, Swimming, Hiking