

# Jasper Agrawal

📍 Ithaca , NY    ✉ ja627@cornell.edu    ☎ (607) 262-6930    📁 My Portfolio    in Jasper Agrawal

## Education

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### Cornell University

Oct 2023 – May 2027

*Bachelors of Science in Environmental Engineering*

- GPA: 3.2/4.0
- **Coursework:** Renewable Energy Systems, Fluid Mechanics, Thermodynamics, Env Quality Engineering

## Experience

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### Undergraduate Researcher

Ithaca , NY

*Chris Roh lab, Cornell University*

June 2025 – Aug 2025

- Laser PIV usage and project design
- Water surface PIV particle testing

### Outdoor Odyssey Guide

Ithaca, NY

*Cornell Outdoor Education*

Oct 2024 – Pres

- Planned, organized, and led a 9 day backpacking trip in the Adirondack mountains for a group of 6 prefirst years. I used soft skills to maintain a positive and fun environment for the group.
- I am certified in technical skills related to leading a group in an extended backpacking situation

### Design Team Lead

Ithaca, NY

*Cornell University Sustainable Design – Real (Aquaponics)*

Oct 2023 – Sept 2024

- I worked on the REAL team with a group of engineering and life science students managing the design and creation of various sensors for an aquaponic system to be implemented in an aquaponics system in Chile.
- I managed A team of undergraduate engineers to meet project deadlines and maintain efficiency

### Lead Wilderness Instructor

Ithaca, NY

*Primitive Pursuits*

June 2022 – Aug 2024

- I was responsible for 10-20 youth and organized lessons and activities focused on plant identification, wilderness fire making and other skills
- I additionally was responsible for leading a group of wilderness instructors to maintain cohesion in the field.

## Skills

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**Languages:** Python, Matlab , R

**Technologies:** L<sup>A</sup>T<sub>E</sub>X, Autodes Fusion 360, FIJI (Image J), Google Earth Engine, 3D printing, Laser PIV

## Certifications

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**Cornell University - EHS 2397 : Laser Safety - 2025**

- Operation and Safty with Class 1-4 Lasers

**American Red Cross: Wilderness and Remote First Aid - 2024**

- Remote Wilderness training focused on Primary and Secondary Assessment, Spinal Injuries and more

## One more set of shit

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