

# Richard Orellana

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## Summary

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Engineering student with strong interest in aeronautics and mathematics. Beginner-level proficiency in Python and C but actively working towards improvement. Open to exploring topics outside of my field in order to expand my knowledge base and broaden my skill set.

Eager to build relevant experience through internships, projects, and independent studying.

## Education

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**Cornell University**, BS in Mechanical Engineering  
Pursuing Minor in Aerospace Engineering

Aug 2023 – Present

- **Relevant Coursework:** Dynamics, Linear Algebra, Python Programming
- **Expected Graduation:** May 2027

## Experience

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**Undergraduate Research Assistant** — *ACT Lab, Brown University*

Jun 2025 - Aug 2025

- Assisted in the research and development of autonomous control systems for micro air vehicles (MAVs)
- Trained a neural network hover controller for a small drone

## Skills

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**Programming** - Python, Matlab, C

**Software** - Fusion 360, LaTeX, VS Code

**Tools** - 3D Printing, Laser Cutting

**Soft Skills** - Communication, Teamwork, Adaptability