

Caden A. Moore

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EDUCATION

Massachusetts Institute of Technology, Cambridge, Massachusetts - Class of 2024

- Aerospace Engineering Major - Cumulative Undergraduate GPA: 4.7
- Pursuing MIT NEET Autonomous Machines Certificate, 2024

AEROSPACE EXPERIENCE

- **1956 Cessna 180 Skywagon** - Rebuilding and restoring a salvaged sunken float plane
 - Completed reskin using hand-formed and trimmed 2024 Alclad-T3 Aluminum
 - Completed engine certification and overhaul
 - Completed fabrication and reassembly of tail past baggage compartment
- **1960 Cessna 182 Skylane** - Rebuilding and restoring after prop strike
- **MIT SPARKLAB Autonomous Drone UROP, 2022 - Present**
 - Working with graduate students to design, build, and program drone swarms using Kimera-Multi for localization (Undergraduate Research Opportunity Program)
- **Cofounder of Hasty (MIT SandBox Funding Recipient, 2022)**
 - Hasty is a Drone Food Delivery Startup using my eVTOL design
- **MIT Rocket Team, Assisted recovery team with parachute deployment - 2022**

AWARDS

- **MakeMIT Competition Winner \$2000 and Corporate Sponsorship Prize- 2023**
 - My team and I built an autonomous CV ping pong robot and won First Place
- **MIT Autonomous Quadcopter Race Competition Winner (16.633) - 2023**
 - Fastest and highest scoring quad at MIT to date, using CV (computer vision)
- **MIT Autonomous Racecar Competition Winner (16.S688) - 2022**
 - Fastest course record at MIT to date using openCV (faster than Prof's racecar)
- **IAP Autonomous Robot Maze Competition Winner (16.632)- 2022**
- **2.S007 Robot Competition Winner - 3rd Place Overall with Strongest Robot Award**

PROJECTS

- **CEO and Cofounder Corsair Boards, 2023 - Present**
 - Patent Pending Foldable Longboard Startup working towards Kickstarter launch
- **eVTOL Quadcopter Hybrid** - Invented more efficient quadcopter eVTOL - 2022
- **Snowmboard** - Designed and built a gas powered snowboard - 2022
- **Hyper Agile Laser Dog-Fighting Drones** - Received Projx funding at MIT - 2021

MUSIC

- **Violin** – Classical study of violin for fourteen (14) years.
 - **David Epstein Award MIT Symphony** - 2023
 - **MIT Symphony Orchestra, Concertmaster, 2021 - Present**
 - **Billings Symphony Orchestra Violinist (2020 Soloist), 2016 - Present**
 - **Bozeman MT Symphony Orchestra, 2018**
 - **Carnegie Hall – Performed with the Honors Junior Orchestra, 2015**
- **Piano** – Student of classical piano instruction for fifteen (15) years.
 - **Superior Rating at High School District and State - 2019, 2018, 2017**

SPORTS

- **Taekwondo 2nd Dan Black Belt**
 - Studied under six-time Korean National Champion, Master Suk Byung Park
 - Won numerous Silver and Bronze medals in free-sparring and kata.
- **Tennis**
 - Intramural A Tennis at MIT - 2020 - Present
 - Varsity Letter Billings West High School - 2019, 2018, 2017
 - Athlete of the Week, Billings, MT – May 2019
 - Academic All State Award – 2019, 2018, 2017
- **Golf**
 - JV West High Golf Team - 2019, 2018
- **MIT Sporting Clays Association**
 - New Member 2022 - Present
 - Shot 46/50 in Trap at the annual New England Clay Cup 2023
 - Shot first perfect 25 April 29, 2023

VOLUNTEERING/LEADERSHIP

- **Mary Queen Catholic Church Altar Choir Violinist, 2016 - Present**
- **New Vassar Student Government, 2022 - Present**
- **MIT Edgerton Center Machine Workshop Mentor, 2022 - Present**