

FOUNDED COMPANIES

Founder, CEO & Chief Engineer · Liminal Stratum

Jun 2026 – Present · Boulder, CO

Engineering & Innovation

- Leading design of a transmedium unmanned autonomous vehicle capable of air-to-water-to-air operation, designed for anti-submarine warfare, sea mine clearance, and general Navy ISR (Intelligence, Surveillance, and Reconnaissance) missions
- Maintaining full technical understanding of all vehicle systems — aerodynamics, hydrodynamics, avionics, propulsion, and controls — with primary hands-on ownership of CAD development and mechanical design
- Conducting independent research into cross-domain transition mechanics, hydrodynamics at the air-water interface, and speed and agility optimization across both domains to directly inform design decisions

Leadership & Management

- Founding and leading a defense technology startup as a sophomore in college; serving as sole executive and chief engineer simultaneously; recruiting and onboarding five engineers under formal consulting agreements across software/autonomy, mechanical, electronics, and CAD
- Actively networking with industry and business experts across the defense technology sector to validate technical direction and build long-term strategic relationships

Business & Strategy

- Conducting active pre-seed investor outreach to defense-focused venture capital firms and angel investors; building a pipeline of VC and angel connections around the company's government contract pathway and dual-use vehicle technology
- Developing a comprehensive business plan with a defined path from pre-seed through Series A; pursuing a NAWCAD (Naval Air Warfare Center Aircraft Division) BAA (Broad Agency Announcement) government development award with an April 2027 deadline

Founder & CEO · Locked In Athletics LLC

Dec 2022 – Present · Houston, TX · Boulder, CO

- Founded at age 16 after identifying a gap in the gymnastics equipment market; engineered and launched a proprietary gymnastics backpack from scratch, then expanded into a full uniform line as demand grew
- Securing institutional contracts with the U.S. Air Force Academy and the Jamaican National Gymnastics Team; sold over 500 backpacks and scaled revenue to \$50K+ in 2025 alone
- Cultivated manufacturing partnerships in China and Mexico; managing all product design, order fulfillment, customer relationships, and brand marketing independently across a national client base

ADDITIONAL ENGINEERING EXPERIENCE

FSAE Engineer · CU Boulder Formula SAE Team

Aug 2025 – Present · Boulder, CO

- Designed a high-voltage junction box to safely distribute power from the accumulator on an electric race vehicle; collaborated with a multidisciplinary team on EV (electric vehicle) power distribution and high-voltage component integration
- Researched enclosure waterproofing and sealing techniques for high-voltage EV applications, evaluating approaches for maintaining electrical integrity in wet environments

Electromagnetic Braking Development · CU Boulder — Engineering Project

Jan – Apr 2026 · Boulder, CO

- Designed and built an electromagnetic braking prototype for 18-wheelers with a five-member team; engineered compact electromagnet enclosure, integrated aluminum rotor with wheel-motion simulation hardware, and evaluated braking force across varying magnet-to-rotor distances

OTHER EXPERIENCE

Business Advisor · SimpleLawTX

2023 – Aug 2026 · Texas

- Advised on marketing strategy, client acquisition, and brand development; produced ad campaigns and video scripts for TradeWise Legal, a tradesperson-focused legal brand

Gymnastics Coach · Above The Bar Gymnastics Academy

Jun – Aug 2023 · Kemah, TX

- Coached recreational gymnasts ages 4–10 in form, flexibility, strength, and technique; adapted instruction to individual skill levels

ATHLETICS — COMPETITIVE GYMNASTICS

Gymnast — Level 10 JE · Above The Bar Gymnastics Academy

Nov 2014 – Jun 2023 · Kemah, TX

- Competed at elite level through Level 10 JE; qualified for JO Nationals and Future Stars Nationals at the U.S. Olympic Training Center; earned Academic All-American honors and qualified for the R3 Elite Team

EDUCATION & SKILLS

B.S. Mechanical Engineering

Minor: Business Finance

School: Univ. of Colorado Boulder · Aug 2025 – May 2029

GPA: 4.0 / 4.0 · Dean's List every semester · SAT 1550 (99th percentile)

Honors: Academic All-American · JO Nationals · Future Stars

Nationals · R3 Elite Team

Technical Skills

Software: SolidWorks, Onshape, KiCad, MATLAB, Adobe

Illustrator, ArduPilot, ROS 2

Programming: C++, JavaScript

Hardware: 3D Printing, HV Electrical Systems, Electromagnetics