

AEDAN BRUNDRETT

RELEVANT EXPERIENCE

OXO, New York, NY

Product Engineering Intern

June-August 2024

Design Engineering Intern

August-December 2023

- Redesigned and built a motor-driven cycle-testing rig for “Pop Containers”, creating a full SolidWorks assembly/drawing package and fabricating the first complete prototype. (2023).
- Engineered iterative upgrades to the rig by integrating sensors, touchscreen UI, and modular electronics, enabling more accurate mechanical lifespan measurement. (2024).
- Helped run prototyping lab, created and revised SolidWorks CAD for enclosure and mechanism modifications of existing products; 3D-printed, machined, assembled, and tested prototypes to validate fit, robustness, and function.
- Conducted root-cause analysis on both prototype and tooling change failures, and iterated mechanical features to improve durability, alignment, and manufacturability, learning in depth about high-volume polymer processes.
- Collaborated with senior mechanical engineers across the appliance development cycle, supporting mechanism evaluation, DFM, prototype reviews, and tooling transitions.
- Worked on special material research projects with SVP of Engineering to experiment with multimaterial 3D printing capabilities, as well as different shore hardnesses of silicone and TPU materials for optimized gaskets.

Judd Foundation / Chinati Foundation, Marfa, TX

September 2025-Present

Gallery Docent / Visitor Services / Tech Coordinator

- Working six days a week, building a rigorous understanding of the visual language, and history of Donald Judd.
- Providing on-site IT support for Chinati, ensuring the laptops, WiFi, and server room are all working harmoniously.
- Shipping most Judd books out of Marfa, with a personal focus on making the packaging vastly more sustainable.
- Volunteering with Judd Foundation peers to restore native grasslands on Judd’s ranch properties.

Hopkins Center for the Arts at Dartmouth, Hanover, NH

January 2023-June 2025

Primary Studio Engineer

- Guided musicians in BritTrax Recording Studio with the recording and creation of audio projects.
- Set up professional-grade gear for their needs, and demonstrated the basics of how to use industry software.
- Spurred and then helped organize a visit by Andrew Jones to do a series of talks on technical loudspeaker engineering.

Thayer School of Engineering at Dartmouth, Hanover, NH

January 2024

Teaching Assistant

- Guided students in "Integrated Design: Engineering, Architecture, and Building Technology," as they studied engineering fundamentals and worked to translate them into physical projects.

Urban Cyclery, East Orange, NJ

August-November 2020

Mobile Bicycle Mechanic

- Picked up the fundamentals of need-finding, guiding customers to bikes and accessories that suited them.
- Wrenched on bicycles both in the physical shop locations and the mobile bike van, learning to tune parts with precision.

EDUCATION

Dartmouth College, Hanover, NH

June 2025

Bachelor of Arts, Major in Engineering Sciences; Minor in Music

GPA 3.82/4.0

Relevant Coursework: Sonic Space and Form (Winter 2022), Electrical Systems (Fall 2024), Autonomous Musical Bodies (Winter 2025), Product Design & Manufacturing (Spring 2025)

German-Engineering “Green City” Study Abroad, Berlin, Germany

March-June 2024

Engaged in the culture and sustainable engineering of Berlin in a full-immersion context
Frequented spots like SchneidersLaden to learn about modular synthesis

SERVICE/LEADERSHIP

Scouting America, Austin, TX and Montclair, NJ

January 2014-August 2021

Eagle Scout

- Eagle Project: Architected and constructed a robust new chicken run for Montclair Community Farms.
- Long served as Senior Patrol Leader to Troop 13 in Montclair, reworking the troop to be more scout-led.
- Developed rigorous outdoor skills, as well as many lessons on effective leadership and teamwork.

Tau Beta Pi, Hanover, NH

April 2025-Present

Engineering Honor Society

- Recognized for academic achievement, as well as for helping guide younger engineers.

SKILLS AND INTERESTS

Technical: SolidWorks, 3D Printing, Extensive Woodshop, Arduino Microcontrollers, GSuite, Prototyping

Musical: Ableton, Logic Pro, Rekordbox, Studio Recording

Languages: English (fluent), Spanish (basic), German (basic)

Interests: Backpacking, Classic Car Repair, Contemporary Art