

HAYLEY BLOCH

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EDUCATION

Harvard College | Cambridge, MA

Sept 2023 – May 2027

A.B. Honors Candidate in History & Science

Focus Area: Technology, Information, & Society - Engineering Sciences

Relevant Coursework: *How to Make (Almost) Anything (MIT)*, *Computer-Aided Machine Design*, *Informal Robotics*, *Innovation in Science and Engineering*, *Entrepreneurship & Innovation*, *Intro to Computer Science*, *StudioLab Creativity & Entrepreneurship*, *Technology Ventures*, *Humanity Futures: AI & Cognition*

Activities: *Harvard Robotics Team*, *Harvard Undergraduate Machine Intelligence AI Project Team*, *Formula 1 SAE Team*, *National Society of Women Engineers*, *Harvard Engineering Society*, *Women in Business*, *Women's Club Soccer*

London School of Economics | London, United Kingdom

June – July 2024

Summer Coursework in Business Management and Marketing

PROFESSIONAL EXPERIENCE

Teaching Assistant - Harvard Innovation Labs Maker Studio

June 2025 – Present

- Oversee training, mentorship, and technical support; assisting students with digital fabrication, prototyping, and safe equipment use while supporting project development across disciplines.

Fellowship - Lemann Program for Creativity and Entrepreneurship

Jan – Oct 2025

- Provide support for entrepreneurship initiatives across Harvard's campuses, including website and social media management, newsletter production, event communications, mentor relations, and production for key programs.

Hardware Engineer, Product and Operations – Halo

Apr – May 2025

- Led hardware development and operational strategy for an early-stage wearable tech startup using facial recognition; collaborated directly with founders to shape product direction, build prototypes, and scale systems.

Project Designer - Go Baby Go Powered Mobility Program

Aug 2022 – Aug 2023

- Collaborated with families to design and retrofit ride-on toy cars for children with mobility impairments, providing tailored mobility solutions to foster independence and confidence.

Research Intern - University of North Texas

Dec 2021 – May 2023

- Conducted research in Professor Steven Jiang's Mechanical Engineering lab, designing and testing 3D-modeled helicoidal structures to evaluate enhanced support capabilities.

Summer Mechanical Engineering Intern - Cleaver-Brooks, Inc.

Summers 2020 & 2021

- Served as the first and only high school summer intern, utilizing Autodesk Inventor to design and model boiler rooms and parts. Also created a custom removable truck liftgate for ergonomic efficiency within the company.

TECHNICAL SKILLS & PROJECTS

CAD Software: SOLIDWORKS, Autodesk Fusion, AutoCAD, Autodesk Inventor

Fabrication: Laser cutting, embedded programming, 3D printing, computer-controlled machining, electronic schematics design and production

Programming: Intro work in Python, JavaScript, and C#

Design: Google UX Professional Design Certification, Blender, Wix, Canva, Figma, Adobe Photoshop, Adobe Illustrator

LEADERSHIP & EXTRACURRICULAR EXPERIENCE

Eleganza Show, Executive Producer

Sept 2024 – Present

- Oversee the strategy, branding, and execution of all marketing and communications, both internally at Harvard and externally, for Harvard's largest student-run event, reaching 1,000+ attendees.

Harvard Undergraduate Automotive Society (HUAS), Executive Board

Sept 2024 – Sept 2025

- Manage HUAS budget and resources, secure FSAE team sponsorships, create and maintain the website and social media, and assist with welding and fabrication of the Formula 1 competition car.