

# HAYLEY BLOCH

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## EDUCATION

<b>Harvard College</b>   Cambridge, MA A.B. Honors Candidate in History & Science Focus Area: Technology, Information, & Society - Engineering Sciences <u>Relevant Coursework:</u> <i>How to Make (Almost) Anything (MIT)</i> , <i>Computer-Aided Machine Design</i> , <i>Informal Robotics</i> , <i>Innovation in Science and Engineering</i> , <i>Entrepreneurship &amp; Innovation</i> , <i>Intro to Computer Science</i> , <i>StudioLab Creativity &amp; Entrepreneurship</i> , <i>Technology Ventures</i> , <i>Humanity Futures: AI &amp; Cognition</i> <u>Activities:</u> <i>Harvard Robotics Team</i> , <i>Harvard Undergraduate Machine Intelligence AI Project Team</i> , <i>Formula 1 SAE Team</i> , <i>National Society of Women Engineers</i> , <i>Harvard Engineering Society</i> , <i>Women in Business</i> , <i>Women's Club Soccer</i>	Sept 2023 – May 2027
<b>London School of Economics</b>   London, United Kingdom Summer Coursework in Business Management and Marketing	June – July 2024

## PROFESSIONAL EXPERIENCE

<b>Teaching Assistant - Harvard Innovation Labs Maker Studio</b> - Oversee training, mentorship, and technical support; assisting students with digital fabrication, prototyping, and safe equipment use while supporting project development across disciplines.	June 2025 – Present
<b>Fellowship - Lemann Program for Creativity and Entrepreneurship</b> - 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.	Jan – Oct 2025
<b>Hardware Engineer, Product and Operations – Halo</b> - 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.	Apr – May 2025
<b>Project Designer - Go Baby Go Powered Mobility Program</b> - 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.	Aug 2022 – Aug 2023
<b>Research Intern - University of North Texas</b> - Conducted research in Professor Steven Jiang's Mechanical Engineering lab, designing and testing 3D-modeled helicoidal structures to evaluate enhanced support capabilities.	Dec 2021 – May 2023
<b>Summer Mechanical Engineering Intern - Cleaver-Brooks, Inc.</b> - 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.	Summers 2020 & 2021

## TECHNICAL SKILLS & PROJECTS

<b>CAD Software:</b> SOLIDWORKS, Autodesk Fusion, AutoCAD, Autodesk Inventor
<b>Fabrication:</b> Laser cutting, embedded programing, 3D printing, computer-controlled machining, electronic schematics design and production
<b>Programming:</b> Intro work in Python, JavaScript, and C#
<b>Design:</b> Google UX Professional Design Certification, Blender, Wix, Canva, Figma, Adobe Photoshop, Adobe Illustrator

## LEADERSHIP & EXTRACURRICULAR EXPERIENCE

<b>Eleganza Show, Executive Producer</b> - 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.	Sept 2024 – Present
<b>Harvard Undergraduate Automotive Society (HUAS), Executive Board</b> - 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.	Sept 2024 – Sept 2025