

BEN HORWITZ

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EDUCATION	DARTMOUTH COLLEGE Candidate for B.E. in Mechanical Engineering GPA: 3.96	Hanover, NH Expected May 2028
	MIDDLEBURY COLLEGE Candidate for B.A. in Mathematics	Middlebury, VT Expected May 2027
WORK EXPERIENCE	CENTER FOR ADDITIVE MANUFACTURING, ST. LOUIS UNIVERSITY Additive Manufacturing Engineering Intern • Excelled at printing on FDM, SLS, SLA, and PolyJet technologies. • Designed a custom reaction chamber for an organic chemistry lab. • Helped lead outreach events at a Technical College and Science Center.	St. Louis, MO Summer 2025
	MIDDLEBURY COLLEGE MAKERSPACE Teaching Assistant • Supervised and trained over 40 community members on equipment. • Programmed and manufactured a golf putter on a 4-axis mill. • Designed an escapement mechanism to be used in a class setting.	Middlebury, VT Fall 2024 - Spring 2025
	MECHANICAL ADVANTAGE LLC. Engineering Intern • Accelerated workflow by manufacturing 10 quick-release harporizer lids. • Programmed an automated "bar-pull" to decrease manual labor. • Collaborated with three other interns and 10 full-time professionals.	Middlebury, VT Summer 2024
	TISSUE ENGINEERING SCAFFOLD FABRICATION LABORATORY, ST. LOUIS UNIVERSITY Research Intern • Worked alongside graduate students for 20 hours a week. • Modified a 3D printer to create synthetic matrices, where findings were shared in a peer-reviewed research paper and presentation.	St. Louis, MO Summer 2022
	MIDDLEBURY ENGINEERING SOCIETY Co-President • Spearheaded the re-branding and organization of the club. • Developed and led seminars on 3D printing and laser cutting for 15+ members. • Created long-standing relationship between club and makerspace.	Middlebury, VT January 2024 - Present
CAMPUS/ COMMUNITY ACTIVITIES	MIDDLEBURY ADMISSIONS OFFICE Tour Guide • Led over 20 tours for prospective students to showcase the college. • Guided 400+ students and family members.	Middlebury, VT February 2024 - Present
	PLANTING SHADE President • Led 501(c)(3) to plant over 15,000 trees in several cities across the US. • Interviewed chapter leader candidates to expand the non-profit to 11 chapters worldwide.	St. Louis, MO January 2021 - May 2023
SKILLS	• CNC machinery (HAAS mill 3rd and 4th axis, manual lathe) • Additive manufacturing (Bambu, Stratasys, Formlabs) • CAD, CAM, FEA (SolidWorks, Autodesk Fusion 360) • Coding (Matlab, Python, experience in R) • Laser cutting (Epilog) • Graphic design (Canva, Adobe Illustrator)	