

JOSHUA VORBRICH

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EDUCATION

Dartmouth College, Hanover, NH 08/2020 – 06/2025
Bachelor of Engineering: Electrical Engineering GPA: 3.85/4.0
Bachelor of Arts: Double Major in Engineering and Studio Art, First Honors Group (Top 5%)
Copenhagen University – Engineering and Danish Architecture & Urban Design, Copenhagen, Denmark Fall 2022
• Wrote research paper: “Using smart technology, architecture and urban design to increase energy efficiency in Denmark”
Blake School, Minneapolis, MN 08/2016 - 06/2020
• Cum Laude Graduate, National Merit Scholar GPA: 3.85/4.0
• Varsity Skiing – 2x Captain; DECA – VP; Swiss Semester – Study Abroad; Artist – NCA Award Winner ACT Score: 36
Parsons School of Design, New York, NY 06/2018, 06/2019
• College-level Summer Intensive Study Programs—Fashion: Sewing & Construction, Fashion: Visual Presentation

PROFESSIONAL EXPERIENCE

Chanel, New York, NY 06/2024 – 08/2024
US Fashion Planning: Transversal Business Solutions Intern
• Conducted sales forecasting and built Excel models to determine leather goods and jewelry OTB budgets for US region
• Spearheaded development of two new online dashboards to enable analysis of sell-through and supply chain data
• Expanded analytical capabilities and improved efficiency through automating new reports, saving the team 10+ hours/ week
Dartmouth Humanitarian Engineering, Hanover, NH 03/2022 – 06/2024
Vice President, Technical Project Lead
• Led team of 20+ students internationally to design and engineer a solar-powered water heater for use in rural Africa
• Reduced firewood consumption by over 40% (100kg per day) at pilot location in Uganda, led technical project management
Syska Hennessy, New York, NY 06/2023 – 08/2023
Information Communication Technology (ICT) Engineering Intern
• Designed and wrote initial presentation materials for new Internet of Things (IoT) and Smart Building commissioning service
• Led pitches of new IoT services to Senior Principals and department heads, resulting in creation of new IoT department
• Developed interdisciplinary communication tools to explain and market technical products, received return offer
Ewool: Heated Apparel, Montreal, Canada 01/2023 – 03/2023
Engineering & Strategy Intern
• Designed and engineered next-gen prototypes of heated apparel devices while balancing technical and business limitations
• Led strategic rebranding of collaborations, conducted market research and presented PPT decks to CEO and executives
• Worked cross-functionally between design, product, and manufacturing teams to refine prototypes, received return offer
Digital Applied Learning and Innovation (DALI) Lab, Hanover, NH 08/2021 – 02/2023
Designer
• Worked closely with clients to design digital solutions for them in 10-week Agile sprints, optimizing the user experience
• Conducted user research and collaborated with cross functional team of software developers, project managers, and designers

LEADERSHIP AND ENTREPRENEURIAL EXPERIENCE

Patent Pending Research—Wearable Device and Smart Fabrics, Hanover, NH 06/2022 – Present
• Filed patent as solo inventor for fashion authentication technology with blockchain integration
• Awarded Presidential Scholarship and worked in SENSE Lab to prototype smart fabrics with variable conductive properties
President, Creative Director—Fashion Etc., Hanover, NH 09/2021 – Present
• Orchestrated first-ever fashion show, the highest attended student event of spring, demonstrating project management skills
Founder, Fashion Designer—Les Yeux, Minneapolis, MN 05/2018 – Present
• Started and trademarked independent fashion brand; designed both a handmade high-fashion line and streetwear line
Co-Owner, Managing Partner, Chief Technology Officer—Grateful Bed Company, Hanover, NH 11/2020 – 12/2023
• Increased net profits by 250% YoY for six-figure, student-run, on-campus mattress rental business through market analysis
• Led crisis management during COVID; identified growth opportunity to increase inventory by 50%, resulting in record sales and \$51.5K revenue; spearheaded financial restructuring and achieved all-time-high 91% EBITDA margin

SKILLS

- **Technical Skills:** MS Office (Excel, PowerPoint), Programing (C/ C++, R, Python, MATLAB), Figma, 3D CAD Modeling
- **Creative Skills:** Adobe Creative Suite (Adobe Photoshop, Adobe Illustrator), Fashion Design, Ideation, UI/UX Design
- **Business Skills:** Presenting, Communication Skills, New Product Design, User Research, Strategy, Project Management